Form 3160-3 (August 2007)

# CONFIDENTIAL

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5.	Lease Serial No.
1.000	1.0004

### UTU-0681

6.	If Indian, Allotee	or Tribe Nam
N/A		

la. Type of work:	TER			7 If Unit or CA Ag Peters Point / UT		lame and No.
lb. Type of Well: Oil Well Gas Well Other		Single Zone 🚺 Mult	iple Zone	8. Lease Name and Peter's Point Unit		12-26D-12-16
Name of Operator Bill Barrett Corporation				9. API Well No.	-467-	31408
3a. Address 1099 18th Street, Suite 2300	3b. Phone	No. (include area code)		10. Field and Pool, o		
Denver, CO 80202	303-312-	,		Peter's Point/Was	•	•
4. Location of Well (Report location clearly and in accordance with a	my State requir	ements.*)		11. Sec., T. R. M. or	Blk. and Su	rvey or Area
At surface SESW, 301' FSL, 1502' FWL				Sec. 26, T12S-R1	6E	
At proposed prod. zone NWSW, Lot 6, 2015' FSL, 673' FW	VL, Sec. 26					
<ol> <li>Distance in miles and direction from nearest town or post office* approximately 51 miles from Myton, Utah</li> </ol>				12. County or Parish Carbon County		13. State UT
15. Distance from proposed* 301' SH / 673' BH	16. No. of	acres in lease	17. Spacin	g Unit dedicated to this	well	<u> </u>
property or lease line, ft. (Also to nearest drig. unit line, if any)	18	598.62	'	40 acres		
18. Distance from proposed location*, 16' SH / 1313' BH	19. Propos	sed Depth	20. BLM/I	BIA Bond No. on file		
to nearest well, drilling, completed, applied for, on this lease, ft.	8100' ME		Nationw	de Bond #WYB000040		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approx	ximate date work will sta	rt*	23. Estimated duration	on	
7162' graded ground	09/01/20	008		45 days		
	24. Att	achments				
The following, completed in accordance with the requirements of Onsho	re Oil and Ga	s Order No.1, must be a	ttached to thi	s form:		
1. Well plat certified by a registered surveyor.		4. Bond to cover to	he operation	ns unless covered by ar	existing b	ond on file (see
2. A Drilling Plan.		Item 20 above).	•	•	Ü	,
3. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office).	Lands, the	<ul><li>5. Operator certific</li><li>6. Such other site BLM.</li></ul>		rmation and/or plans a	s may be re	equired by the
25. Signature Sauer Fallang		e (Printed/Typed) ey Fallang			Date 04/23/2	2000
Title Future	Trac				04/23/2	
Environmental/Regulatory Analyst						
Approved by Signature	Nam	e (Printed/Typed)			Date	
Dady of		RADLEY G	<u>HILL</u>		05	<u>-05-07</u>
Tide	Į.	IVIRONMENTAL N				
Application approval does not warrant or certify that the applicant hold conduct operations thereon.  Conditions of approval, if any, are attached.	ls legal or equ	uitable title to those right	ts in the subj	ect lease which would e	entitle the a	pplicant to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a ci States any false, fictitious or fraudulent statements or representations as	rime for any p to any matter	person knowingly and w within its jurisdiction.	villfully to ma	ake to any department of	or agency (	of the United
(Continued on page 2)				*(Inst	ructions	on page 2)

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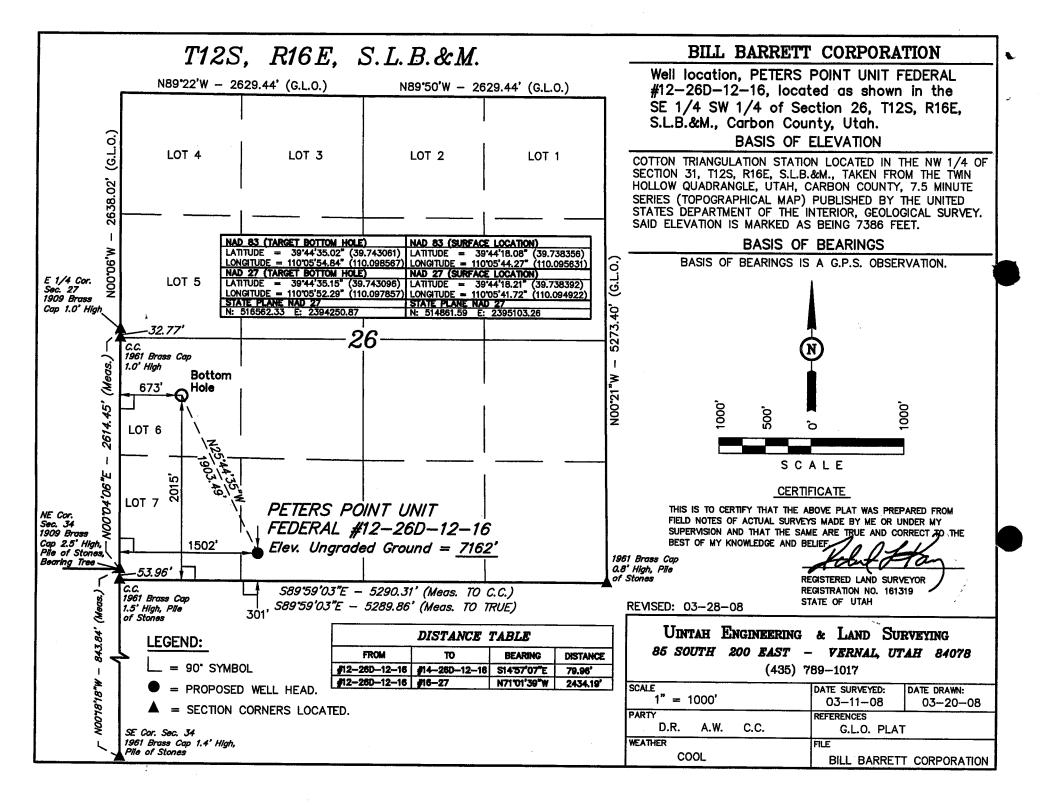
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-110-097806

Federal Approval of this Action is Necessary

DIV. OF OIL, GAS & MINING 43994224





April 24, 2008

Ms. Diana Mason State of Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P.O. Box 145801 Salt Lake City, Utah 84114-5801

RE:

Directional Drilling R649-3-11

Peters Point Unit Federal 12-26D-12-16

SHL: 301' FSL & 1502' FWL SESW 26-T12S-R16E BHL: 2015' FSL & 673' FWL NWMW (L6) 26-T12S-R16E

Carbon County, Utah

Dear Ms. Mason:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the "Exception to Location and Siting of Wells."

- The above-mentioned proposed location is within the Peters Point Unit Area;
- This well is a directional well and is greater than 460 feet from the Peter's Point Unit boundary.
- BBC hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. If you should have any questions or need further information, please contact me at 303-312-8129.

Sincerely,

)oug Oundry-White Doug Gundry-White

Senior Landman

**RECEIVED** 

APR 2 8 2008

DIV. OF OIL, GAS & MINING

1099 18TH STREET

**SUITE 2300** 

DENVER, CO 80202

303.293.9100

303.291.0420

#### **DRILLING PROGRAM**

# BILL BARRETT CORPORATION Peter's Point Unit Federal #12-26D-12-16

SESW, 301' FSL, 1502' FWL, Sec. 26, T12S-R16E (surface hole) NWSW, Lot 6, 2015' FSL, 673' FWL, Sec. 26, T12S-R16E (bottom hole) Carbon County, Utah

### 1-2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	Depth - MD	Depth - TVD
Green River	Surface	Surface
Wasatch	3474**	3273'*
North Horn	5559'*	5165'*
Dark Canyon	7060'*	6662'*
Price River	7262'*	6864'*
TD	8100'*	7700'*

#### PROSPECTIVE PAY

#### 3. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment			
0-1000'	No pressure control required			
1000' – TD	11" 3000# Ram Type BOP			
	11" 3000# Annular BOP			
- Drilling spool to a	accommodate choke and kill lines;			
- Ancillary equipme	- Ancillary equipment and choke manifold rated at 3,000#. All BOP and BOPE tests will be in			
accordance with the requirements of onshore Order No. 2;				
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in				
advance of all BOP pressure tests.				
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up				
to operate most efficiently in this manner.				

#### 4. <u>Casing Program</u>

<u>Hole</u>	SETTING	<b>DEPTH</b>	Casing	Casing	Casing	•	
Size	(FROM)	(TO)	Size	Weight	Grade	<b>Thread</b>	Condition
12 1/4"	surface	1,000'	9 5/8"	36#	J or K 55	ST&C	New
7 7/8" &	surface	8,100'	5 ½"	17#	N-80	LT&C	New
8 3/4"			4 ½"	11.6#	I-100	LT&C	New

Note: BBC will use one of two options of production casing noted above. 7 7/8" hole size will begin at the point the bit is changed.

<sup>\*</sup>Members of the Mesaverde formation and Wasatch formation (inclusive of the North Horn) are primary objectives for oil/gas.

Bill Barrett Corporation
Drilling Program
Peter's Point Unit Federal #12-26D-12-16
Carbon County, Utah

#### 5. <u>Cementing Program</u>

9 5/8" Surface Casing	Approximately 240 sx Halliburton Light Premium with additives mixed at 12.7 ppg (yield = 1.85 ft <sup>3</sup> /sx) and 170 sx Premium cement with additives mixed at 15.8 ppg (yield = 1.16 ft <sup>3</sup> /sx) circulated to surface with 100% excess.
5 ½" Production Casing  OR	Approximately 1590 sx 50/50 Poz Premium cement with additives mixed at 13.4 ppg (yield = 1.49 ft <sup>3</sup> /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 900'.
Approximately 1940 sx 50/50 Poz Premium cement with additives mixed at 13.4 ppg (yield = 1.49 ft <sup>3</sup> /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 900°.	
Note: Actual volumes to be calcula	ted from caliper log.

#### 6. Mud Program

<u>Interval</u>	Weight	<u>Viscosity</u>	Fluid Loss (API filtrate)	Remarks
0 – 40'	8.3 - 8.6	27 - 40		Native Spud Mud
40' – 1000'	8.3 - 8.6	27 – 40	15 cc or less	Native/Gel/Lime
1000' – TD	8.6 – 9.5	38 – 46	15 cc or less	LSND/DAP

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce tork and drag.

Note: In the event air drilling should occur at this location:

- Fresh water would be used to suppress the dust coming out. The blooie line, approximately 37' long and 6" diameter, would run from the pit to the wellhead. There is no ignition system as burnable gas should not be encountered.
- Capacity of compressor: 1250SCFM with an 1170 SCFM on standby, which would be located very near the wellbore. The compressor has switches to shut off should any problems be encountered.
- The rig has mud pumps capable of pumping the kill fluid (fresh water), of which there is 500 bbls on location at all times.

#### 7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	Run every 1000' and on trips, slope only;
Logging	DIL-GR-SP, FDC-CNL-GR-CAL-Pe-Microlog, Sonic-GR, all TD to surface.

Bill Barrett Corporation
Drilling Program
Peter's Point Unit Federal #12-26D-12-16
Carbon County, Utah

#### 8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3804 psi\* and maximum anticipated surface pressure equals approximately 2110 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure =  $A - (0.22 \times TD)$ 

#### 9. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

#### 10. <u>Drilling Schedule</u>

**Location Construction:** 

September 1, 2008

Spud:

September 8, 2008

Duration:

15 days drilling time

30 days completion time

#### SURFACE USE PLAN

# BILL BARRETT CORPORATION <u>Peter's Point Unit Federal 14-26D-12-16 Pad Wells</u>

Dec 1 Dec 27 1 To 2	T
Peter's Point Unit Federal #3-35D-12-16	Peter's Point Unit Federal #15-26D-12-16
SESW, 208' FSL, 1527' FWL, Sec. 26, T12S-R16E (surface hole)	SESW, 239' FSL, 1518' FWL, Sec. 26, T12S-R16E (surface hole)
NENW, 632' FNL, 2022' FWL, Sec. 35, T12S-R16E (bottom hole)	SWSE, 671' FSL, 1953' FEL, Sec. 26, T12S-R16E (bottom hole)
Carbon County, Utah	Carbon County, Utah
Peter's Point Unit Federal #13-26D-12-16	Peter's Point Unit Federal #11-26D-12-16
SESW, 254' FSL, 1514' FWL, Sec. 26, T12S-R16E (surface hole)	SESW, 285' FSL, 1506' FWL, Sec. 26, T12S-R16E (surface hole)
SWSW, 701' FSL, 679' FWL, Sec. 26, T12S-R16E (bottom hole)	NESW, 2002' FSL, 1997' FWL, Sec. 26, T12S-R16E (bottom hole)
Carbon County, Utah	Carbon County, Utah
Peter's Point Unit Federal #10-26D-12-16	Peter's Point Unit Federal #12-26D-12-16
SESW, 270' FSL, 1510' FWL, Sec. 26, T12S-R16E (surface hole)	SESW, 301' FSL, 1502' FWL, Sec. 26, T12S-R16E (surface hole)
NWSE, 1991' FSL, 1950' FEL, Sec. 26, T12S-R16E (bottom hole)	NWSW, 2015' FSL, 673' FWL, Lot 6, Sec. 26, T12S-R16E (bottom hole)
Carbon County, Utah	Carbon County, Utah

The onsite for this pad occurred on April 11, 2008. This is an existing pad with one vertical well (the 14-26D-12-15) and six additional directional wells are planned. Minimal additional disturbance is required for expansion to accommodate the additional wells.

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

#### 1. <u>Existing Roads:</u>

- a. The existing well pad is located approximately 51 miles from Myton, Utah. Maps reflecting directions to the proposed well pad are included (see Topographic Maps A and B).
- b. An access road, approximately 1882 feet in length exists to this pad. Total road disturbance requested for this access is 50-feet.
- c. Surface disturbance and vehicular travel would be limited to the approved existing access road. Adequate signs would be posted, as necessary, to warn the public of project related traffic.
- BBC would be responsible for all maintenance of the access road including drainage structures.
- e. The use of roads under State and County Road Department maintenance is necessary to access the Peter's Point Unit. However, an encroachment permit is not anticipated since there are no upgrades proposed to the State or County road systems at this time.
- All existing roads would be maintained and kept in good repair during all phases of operation.
- g. Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.

#### 2. Planned Access Road:

a. See 1. b. under Existing Roads.

#### 3. <u>Location of Existing Wells (see Topographic Map C):</u>

a. Following is a list of wells with surface hole locations within a one-mile radius of the proposed well:

i.	water wells	none
ii.	injection wells	none
iii.	disposal wells	none
iv.	drilling wells	none
v.	temp shut-in wells	none
vi.	producing wells	nine
vii.	abandoned wells	none

#### 4. <u>Location of Production Facilities (see enclosed "Proposed Facility Layout"):</u>

- a. All facilities for this pad would be located adjacent to each other (existing facilities for the Peter's Point 14-26D will be re-located as noted on the facility layout). Each well would have its own meter run and separator and six (6) additional 400-bbl tanks would be installed as necessary.
- b. All permanent above-ground structures would be painted a flat, non-reflective Olive Black to match the standard environmental colors. All facilities would be painted the designated color at the time of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- d. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to.
- e. Gas meter runs would be constructed and located on lease within 500 feet of the wellheads. Meter runs are housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3. Use of electronic flow meter (EFMs) for gas measurement purposes is requested with this application as well as use of flow conditioners (versus straightening vanes) for each new well.
- f. A tank battery exists on this lease and would be modified as per the proposed facility layout to include additional equipment. All loading lines and valves would be placed inside the berm surrounding the tank battery or would have a secondary containment vessel. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil. BBC requests permission to install the necessary production/operation facilities with this application.
- g. Any necessary pits would be properly fenced to prevent any wildlife and livestock entry.
- h. All access roads would be maintained as necessary to prevent erosion and accommodate year-round traffic as practicable. The roads would be maintained in a safe, useable condition.

- The site would require periodic maintenance to ensure that drainages are kept open and free of debris and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
- j. A 6-inch buried gas pipeline, approximately 2150 feet in length, exists to this location.

#### 5. <u>Location and Type of Water Supply:</u>

- a. Bill Barrett Corporation would use water consistent with approvals granted by the Utah State Engineer's Office under Application Number 90-1853 (T76109) which expires April 3, 2009 or an existing water well in Sec. 13, T12S-R14E granted by the Utah State Engineer's Office under Application Number 90-1849 (T75896) which expires September 13, 2008.
- b. Water use for this location will most likely be diverted from Nine Mile Creek, the S¼ of Section 8, T12S-R16E or from a water well located in the N¼ of State Section 32-T12S-R16E. For either of these sources, bobtail trucks would haul the water, traveling Cottonwood Canyon dugway to Peter's Point road.

#### 6. Source of Construction Material:

- a. The use of materials would conform to 43 CFR 3610.2-3.
- b. No construction materials would be taken off-lease.
- c. If any additional gravel is required, it would be obtained from SITLA materials permits or from federal BBC locations within the Peter's Point unit.

#### 7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application would be contained and disposed of utilizing approved facilities.
- b. Drill cuttings would be contained and buried on site.
- c. The fluids in the existing reserve pit for the Peter's Point 14-26D well will be disposed of or evaporated prior to the expansion of the pit, which is necessary to accommodate the additional wells. The reserve pit is located outboard of the location along the west side of the pad.
- d. The reserve pit would be constructed so as not to leak, break or allow any discharge.
- e. Due to the expansion necessary, the reserve pit would be re-lined with a 12 mil minimum thickness polyethylene nylon reinforced liner material. The liner would overlay straw, soil and/or bentonite if rock is encountered during excavation. The pit liner would overlap the pit walls and be anchored with soil and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner would be disposed of in the pit. Pit walls would be sloped no greater than 2:1 and the depth of the reserve pit would be approximately 8-feet with a minimum of 2 foot freeboard.

- f. The reserve pit has been located in cut material. Three sides of the reserve pit would be fenced before drilling starts. The fourth side would be fenced as soon as drilling is completed and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production would be rehabilitated as per the plans for reclamation of surface (10, below).
- g. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) in quantities over 10,000 pounds that may be used, produced, stored, transported or disposed of annually in association with the drilling, testing or completion of each well include diesel fuel, hydrochloric acid and silica sand. This material would be consumed in the drilling and completion process. No extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.
- h. Trash would be contained in a trash cage or roll-off container and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container would be hauled off periodically to the approved Carbon or Uintah County Landfill.
- i. Produced fluids from each well other than water would be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids would be cleaned up and removed.
- j. After initial clean-up and based on volumes, BBC would install a tank (maximum size 400 barrel capacity) to contain produced waste water. After first production, produced wastewater would be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. Thereafter, produced water would be used in further drilling and completion activities, evaporated in the pit, or hauled to a State approved disposal facility.
- k. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- Sanitary facilities would be on site at all times during operations. Sewage would be
  placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed
  contractor to transport by truck the portable chemical toilet so that its contents can be
  delivered to the Price or Vernal Wastewater Treatment Facility in accordance with state
  and county regulations.
- m. Any liquid hydrocarbons produced during completion work would be contained in test tanks on the well location. The tanks would be removed from location at a later date. A flare pit may be constructed a minimum of 110' from the wellheads and may be used during completion work. In the event a flare pit proves to be unworkable in this situation, a flare stack would be installed. BBC would flow back as much fluid and gas as possible into vessels, separating the fluid from the gas. The fluid would then be either returned to the reserve pit or placed into a tank. Gas would be then directed into the flare pit or the flare stack with a constant source of ignition. Natural gas would be directed to the pipeline as soon as pipeline gas quality standards are met.

n. Hydrocarbons would be removed from the reserve pit as soon as practical. In the event immediate removal is not practical, the reserve pit would be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

#### 8. <u>Ancillary Facilities:</u>

a. Garbage containers and portable toilets are the only ancillary facilities proposed in this application

#### 9. Well Site Layout:

- a. Each well would be properly identified in accordance with 43 CFR 3162.6.
- The rig layout and cross section diagrams are enclosed (see Location Layout and Cross Section Plats).
- c. The pad and road designs are consistent with BLM specifications.
- d. Minimal additional disturbance is necessary to accommodate the additional wells being added. The pad dimensions are 450' x 155' with a reserve pit of 245' x 100'.
- e. All surface disturbing activities would be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- f. All cut and fill slopes would be such that stability can be maintained for the life of the activity.
- g. Diversion ditches would be constructed, if necessary, around the well pad to prevent surface waters from entering the area.
- h. The stockpiled topsoil (first 6 inches or maximum available) would be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil would be stockpiled for reclamation in such a way as to prevent soil loss and contamination.
- i. Pits would remain fenced until site cleanup.
- j. If air drilling occurs, the blooie line would be located at least 100 feet from the individual well head and would run from the each wellhead directly to the pit.
- k. Water application may be implemented if necessary to minimize the amount of fugitive dust.

#### 10. Plan for Restoration of the Surface:

#### **Producing Wells**

- a. Rat and mouse holes would be filled and compacted from bottom to top immediately upon release of the drilling rig from location.
- b. The reserve pit would be closed as soon as reasonably practical, but no later than 90 days from completion of the last well on the pad, provided favorable weather conditions and that there are no plans to re-use the pit within one year. An extension may be given at the discretion of the BLM Authorized Officer. The following are requirements for pit closures:
  - Squeezing of pit fluids and cuttings is prohibited;
  - Pits must be dry of fluids or they must be removed via vac-truck or other environmentally acceptable method prior to backfilling, re-contouring and replacement of topsoil;
  - Mud and cuttings left in pit must be buried at least 3-feet below re-contoured grade;
  - If a liner was used, the polyethylene nylon reinforced liner shall be torn and perforated before backfilling;
  - The operator would be responsible for re-contouring any subsidence areas that develop from closing a pit before it is sufficiently dry.
  - The operator shall contact the BLM Authorized Officer at least 48-hours prior to the filling and reclamation of pits and the start of any reclamation such as recontouring and reseeding.
- c. Reclamation requirements would be dependent upon plans for subsequent drilling activity on the pad. The operator shall contact the BLM Authorized Officer within 90 days of completion of the last well on the pad and provide plans for subsequent pad use.
  - In the event that the operator plans to re-occupy the pad within three years, the operator shall seed the unused portions of the pad with a cover crop as approved for this use by the BLM. If necessary, this cover crop would be replanted each year that the pad remains in an un-reclaimed state. Unless otherwise specifically authorized, no pad shall remain in an un-reclaimed state for more than three years.
    - Cover crops would be seeded by broadcasting seed over all unused portions of the pad. Seed would be covered with soil to the appropriate depth by raking or other methods.
  - In the event there are no plans to re-occupy the pad within three years, interim
    reclamation activities would begin within 90 days. The operator would use the
    BLM approved seed mix and would seed during the first suitable seeding
    season.
    - o Interim reclamation drill seeding would be conducted on the contour to a depth of 0.5 inch, followed by cultipaction to compact the seedbed, preventing soil and seed losses. To maintain quality and purity, the current years tested, certified seed with a minimum germination rate of 80% and a minimum purity of 90% would be used.

- Topsoil salvaged from the drill site and stored for more than one year would be placed at the location indicated on the well site layout drawing and graded to a depth optimum to maintain topsoil viability, seeded with the BLM prescribed seed mixture and covered with mulch for protection from wind and water erosion and to discourage the invasion of weeds.
- d. The operator would control noxious weeds along access road use authorizations, pipeline route authorizations, well sites or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate county extension office. On BLM administered land it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.

#### Dry Hole

a. All disturbed lands associated with this project, including the pipelines, access roads, water management facilities, etc. would be expediently reclaimed and reseeded in accordance with the reclamation plan and any pertinent site-specific COAs.

#### 11. Surface and Mineral Ownership:

- a. Surface ownership Federal under the management of the Bureau of Land Management Price Field Office, 125 South 600 West, Price Utah 84078; (435) 636-3600.
- b. Mineral ownership Federal under the management of the Bureau of Land Management
   Price Field Office, 125 South 600 West, Price Utah 84078; (435) 636-3600.

#### 12. Other Information:

- Montgomery Archaeological Consultants conducted a Class III archeological survey. A
  copy of the report was submitted under separate cover to the appropriate agencies by
  Montgomery as MOAC Report No. 05-480 dated December 12, 2005.
- b. Intermountain Paleo Consulting, Inc. conducted monitoring activities at the time of construction on the Peter's Point 14-26D pad, IPC Report No. 07-159 dated August 24, 2007. No fossils were found.
- c. Areas in the proposed drilling program where fluids escaping the wellbore and exiting onto a hillside might occur will be identified. In those cases, cement and/or fluid loss compounds (types of lost circulation fluids) would be utilized to heal up vags and cracks. Upon individual evaluation of the proposed well sites, air drilling the hole to surface casing depth may occur.
- d. A combustor may be installed at this location for control of associated condensate tank emissions. A combustor ranges from 24" to 48" wide and is approximately 10' tall. Combustor placement would be on existing disturbance and would not be closer than 100' to any tank or wellhead.

CORPORATION FIGURE LOCATION LAYOUT FOR PETER'S POINT UNIT FEDERAL #3-350-12-16, #15-260-12-16, #13-260-12-16, #10-260-12-16, #11-260-12-16 & #12-260-12-16 Prevailing SECTION 26, T12S, R16E, S.L.B.&M. Winds SE 1/4 SW 1/4 F-12.7 El. 48.8' Existing Road Existing Pipeline 8 ED LAND 0000000 STA 8) 400 BBL TKS & Buried Dump Lines Lage VI Existing os Ne SCALE: 1" = 60' Disturbance DATE: 03-20-08 **Topsoil** DRAWN BY: C.C. REV: 03-28-08 Separator Existing -NOTE: Tank Berm Flore Pit is to be located a mil Remove of 100' from the ord Well Head. DE Approx. Toe of Fill Slope Sta. 2+70 -3.8' C - 18.7El. 57.7' 61.6° -0.1 (Bim. EXISTING WELLHEAD PPUF #14-260-12-16 EL 61.6' TOOLS Pit Bockfill Stockpile SPOIL EXISTING EXISTING PAD Reserve P RESERVE PIT la 1+00 .06 Approx. EXISTING PIT Top of . Cut Slope 62.8 B Telemetry C - 15.9C-6.1C-6.5' El. 67.6" El. 68.0 Elev. Ungraded Ground at #12-260 Location Stake = 7161.7' UINTAH ENGINEERING & LAND SURVEYING Elev. Graded Ground at \$12-260 Location Stake = 7161.5" 85 Se. 200 East . Vernal, Utah 84078 . (435) 789-1017

#### **OPERATOR CERTIFICATION**

#### Certification:

I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Executed this	3rd day of don't 2008			
Name:	Tracey Fallang			
Position Title:	Regulatory Analyst			
Address:	1099 18th Street, Suite 2300, Denver, CO 80202			
Telephone:	303-312-8134			
Field Representati	ve Fred Goodrich			
Address:	1820 W. Hwy 40, Roosevelt, UT 84066			
Telephone:	435-725-3515			
E-mail:				
Tracey Fallang, Environmental/Regulatory Analyst				
maccy railiang, El	iyyonmentai/kegulatory/Analyst			

Well name:

**Utah: West Tayaputs** 

Operator:

**Bill Barrett** 

Design is based on evacuated pipe.

String type:

Surface

Carbon County, UT

Design parameters:

Collapse

Mud weight:

9.50 ppg

Minimum design factors:

Collapse:

Design factor

1.125

**Environment:** 

H2S considered?

No

Surface temperature: Bottom hole temperature: 75.00 °F 89 °F

Temperature gradient:

1.40 °F/100ft

Minimum section length:

1,000 ft

Burst:

Design factor

1.00

Cement top:

Surface

**Burst** 

Max anticipated surface

pressure: Internal gradient: 2,735 psi 0.22 psi/ft

Calculated BHP

Annular backup:

2,955 psi

9.50 ppg

Tension:

8 Round STC: 8 Round LTC:

Buttress:

Premium: Body yield:

Neutral point:

1.80 (J) 1.80 (J) 1.80 (J)

1.80 (J)

Tension is based on buoyed weight.

1.80 (B)

859 ft

Non-directional string.

Re subsequent strings:

Next setting depth:

Next mud weight: Next setting BHP:

Fracture mud wt: Fracture depth: Injection pressure 10,000 ft 9.500 ppg

4,935 psi 10.000 ppg 10,000 ft

5,195 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1000	9.625	36.00	J/K-55	ST&C	1000	1000	8.796	71.2
Run Seq 1	Collapse Load (psi) 493	Collapse Strength (psi) 2020	Collapse Design Factor 4.094	Burst Load (psi) 2735	Burst Strength (psi) 3520	Burst Design Factor 1.29	Tension Load (Kips) 31	Tension Strength (Kips) 453	Tension Design Factor 14.64 J

Prepared Dominic Spencer by: Bill Barrett

Phone: (303) 312-8143 FAX: (303) 312-8195

Date: August 1,2003 Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 1000 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

**Uta: West Tavaputs** 

Minimum design factors:

Operator:

**Bill Barrett** 

Design is based on evacuated pipe.

String type:

Production

Location:

Uintah County, UT

Design parameters:

Collapse

Mud weight:

9.50 ppg

Collapse: Design factor

1.125

**Environment:** 

H2S considered? Surface temperature:

Bottom hole temperature: Temperature gradient:

75.00 °F 215 °F 1.40 °F/100ft

Minimum section length:

1,500 ft

No

Burst:

Design factor

1.00

1.80 (J)

1.80 (J)

1.80 (J)

1.80 (J)

8,559 ft

Cement top:

900 ft

**Burst** 

Max anticipated surface

pressure: Internal gradient: 4,705 psi 0.02 psi/ft 4,935 psi

Calculated BHP

Annular backup: 9.50 ppg 8 Round STC:

Body yield:

Premium:

Neutral point:

**Tension:** 

8 Round LTC: Buttress:

1.80 (B) Tension is based on buoyed weight.

Non-directional string.

Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
10000	5.5	17.00	N-80	LT&C	10000	10000	4.767	344.6
Collapse Load	Collapse Strength	Collapse Design	Burst Load	Burst Strength	Burst Design	Tension Load	Tension Strength	Tension Design
( <b>psi</b> ) 4935	( <b>psi)</b> 6290	Factor 1.275	( <b>psi)</b> 4705	(psi) 7740	Factor 1.65	(Kips) 146		Factor 2.39 J
	Length (ft) 10000  Collapse Load (psi)	Length Size (ft) (in) 10000 5.5  Collapse Collapse Load Strength	Length Size Weight (ft) (in) (lbs/ft) 10000 5.5 17.00  Collapse Collapse Collapse Load Strength Design (psi) (psi) Factor	Length Size Weight Grade (ft) (in) (lbs/ft) 10000 5.5 17.00 N-80  Collapse Collapse Collapse Burst Load Strength Design Load (psi) (psi) Factor (psi)	Length Size Weight Grade Finish (ft) (in) (lbs/ft) 10000 5.5 17.00 N-80 LT&C  Collapse Collapse Collapse Burst Burst Load Strength Design Load Strength (psi) (psi) Factor (psl) (psi)	Length Size Weight Grade Finish Depth (ft) (in) (lbs/ft) (ft) 10000 5.5 17.00 N-80 LT&C 10000  Collapse Collapse Collapse Burst Burst Burst Load Strength Design Load Strength Design (psi) (psi) Factor (psi) (psi) Factor	LengthSizeWeightGradeFinishDepthDepth(ft)(in)(lbs/ft)(ft)(ft)100005.517.00N-80LT&C1000010000Collapse Collapse Collapse Load StrengthBurst Burst Burst Burst Burst Design Load StrengthDesign Load Strength Design Load (psi)Load (psi)Factor (psi)Factor (Kips)	LengthSizeWeight (ft)GradeFinish (ft)Depth (ft)Depth (ft)Diameter (ft)100005.517.00N-80LT&C10000100004.767Collapse Collapse Collapse Load StrengthBurst Burst Burst Design Load StrengthTension Tension Strength (psi)Tension Strength (psi)Strength Design Load Strength(psi)(psi)Factor(psi)Factor(Kips)

Prepared Dominic Spencer by: Bill Barrett

Phone: (303) 312-8143 FAX: (303) 312-8195

Date: August 1,2003 Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 10000 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Duniop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

West Tavaputs General

Operator:

**Bill Barrett Corporation** 

String type:

Production

Design is based on evacuated pipe.

Design parameters:

<u>Collapse</u>

Mud weight:

9.50 ppg

Minimum design factors:

Collapse:

Design factor

1.125

**Environment:** 

H2S considered? Surface temperature:

No 60.00 °F

Bottom hole temperature:

200 °F

Temperature gradient:

1.40 °F/100ft

Minimum section length:

1,500 ft

Cement top:

2,500 ft

Burst:

Design factor

1.00

**Burst** 

Max anticipated surface

pressure:

2,735 psi 0.22 psi/ft

Internal gradient: Calculated BHP

4,935 psi

No backup mud specified.

Tension:

8 Round STC:

8 Round LTC:

Premium:

Buttress:

Body yield:

1.80 (J) 1.80 (J)

1.80 (J)

1.80 (J)

1.80 (B)

Tension is based on buoyed weight.

Neutral point:

8,580 ft

Non-directional string.

Run	Segment		Nominal		End	True Vert	Measured	Drift	Internal
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Capacity (ft³)
1	10000	4.5	11.60	I-100	LT&C	10000	10000	3.875	231.8
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(Kips)	(Kips)	Factor
1	4935	7220	1.46	4935	9720	1.97	100	245	2.45

Prepared Dominic Spencer by: Bill Barrett

Phone: (303) 312-8143 FAX: (303) 312-8195 ·

Date:

7-Apr-08 Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 10000 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.



# **Bill Barrett Corporation**

#### NINE MILE CEMENT VOLUMES

Well Name:

Peter's Point Unit Federal 12-26D-12-16

#### Surface Hole Data:

Total Depth:	1,000'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

#### Calculated Data:

Lead Volume:	219.2	ft <sup>3</sup>
Lead Fill:	700'	
Tail Volume:	94.0	ft <sup>3</sup>
Tail Fill:	300'	

#### Cement Data:

Lead Yield:	1.85	ft <sup>3</sup> /sk
Tail Yield:	1.16	ft <sup>3</sup> /sk
% Excess:	100%	

#### Calculated # of Sacks:

# SK's Lead:	240
# SK's Tail:	170

#### Production Hole Data:

Total Depth:	8,100'
Top of Cement:	900'
OD of Hole:	8.750"
OD of Casing:	4.500"

#### Calculated Data:

Lead Volume:	2211.4	ft <sup>3</sup>
Lead Fill:	7,200'	

#### Cement Data:

Lead Yield:	1.49	ft <sup>3</sup> /sk	
% Excess:	30%		Т

#### Calculated # of Sacks:

# SK's Lead: 1930

### Peter's Point Unit Federal 12-26D-12-16 Proposed Cementing Program

Job Recommendation		Su	rface Casing
Lead Cement - (700' - 0')			
Halliburton Light Premium	Fluid Weight:	12.7	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.85	ft <sup>3</sup> /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	9.9	Gal/sk
	Top of Fluid:	0'	
	Calculated Fill:	700'	
	Volume:	78.09	bbl
	Proposed Sacks:	240	sks
Tail Cement - (1000' - 700')			
Premium Cement	Fluid Weight:	15.8	lbm/gal
94 lbm/sk Premium Cement	Slurry Yield:	1.16	ft <sup>3</sup> /sk
2.0% Calcium Chloride	Total Mixing Fluid:	4.97	Gal/sk
0.125 lbm/sk Ploy-E-Flake	Top of Fluid:	700'	
	Calculated Fill:	300'	
	Volume:	33.47	bbl
	Proposed Sacks:	170	sks

Job Recommendation		Produc	ction Casing
Lead Cement - (8100' - 900')			
50/50 Poz Premium	Fluid Weight:	13.4	lbm/gal
3.0 % KCL	Slurry Yield:	1.49	ft <sup>3</sup> /sk
0.75% Halad®-322	Total Mixing Fluid:	7.06	Gal/sk
3.0 lbm/sk Silicalite Compacted	Top of Fluid:	900'	· .
0.2% FWCA	Calculated Fill:	7,200'	
0.125 lbm/sk Poly-E-Flake	Volume:	511.98	bbl
1.0 lbm/sk Granulite TR 1/4	Proposed Sacks:	1930	sks



#### NINE MILE CEMENT VOLUMES

Well Name:

Peter's Point Unit Federal 12-26D-12-16

#### Surface Hole Data:

Total Depth:	1,000'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

#### Calculated Data:

Lead Volume:	219.2	ft <sup>3</sup>
Lead Fill:	700'	
Tail Volume:	94.0	ft <sup>3</sup>
Tail Fill:	300'	

#### Cement Data:

Lead Yield:	1.85	ft <sup>3</sup> /sk
Tail Yield:	1.16	ft <sup>3</sup> /sk
% Excess:	100%	

#### Calculated # of Sacks:

# SK's Lead:	240
# SK's Tail:	170

#### Production Hole Data:

Total Depth:	8,100'
Top of Cement:	900'
OD of Hole:	8.750"
OD of Casing:	5.500"

#### Calculated Data:

Lead Volume:	1818.7	ft <sup>3</sup>
Lead Fill:	7,200'	

#### Cement Data:

Lead Yield:	1.49	ft <sup>3</sup> /sk	
% Excess:	30%		ī

#### Calculated # of Sacks:

# SK's Lead: 1590

## Peter's Point Unit Federal 12-26D-12-16 Proposed Cementing Program

Job Recommendation		Su	rface Casing
Lead Cement - (700' - 0')			
Halliburton Light Premium	Fluid Weight:	12.7	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.85	ft <sup>3</sup> /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid:	9.9	Gal/sk
	Top of Fluid:	O'	
	Calculated Fill:	700'	
]	Volume:	78.09	bbl
·	Proposed Sacks:	240	sks
Tail Cement - (1000' - 700')			
Premium Cement	Fluid Weight:	15.8	lbm/gal
94 lbm/sk Premium Cement	Slurry Yield:	1.16	ft <sup>3</sup> /sk
2.0% Calcium Chloride	Total Mixing Fluid:	4.97	Gal/sk
0.125 lbm/sk Ploy-E-Flake	Top of Fluid:	700'	ŕ
	Calculated Fill:	300'	
	Volume:	33.47	bbl
	Proposed Sacks:	170	sks

Job Recommendation		Produc	ction Casing
Lead Cement - (8100' - 900')		•	
50/50 Poz Premium	Fluid Weight:	13.4	lbm/gal
3.0 % KCL	Slurry Yield:	1.49	ft <sup>3</sup> /sk
0.75% Halad®-322	Total Mixing Fluid:	7.06	Gal/sk
3.0 lbm/sk Silicalite Compacted	Top of Fluid:	900'	
0.2% FWCA	Calculated Fill:	7,200'	
0.125 lbm/sk Poly-E-Flake	Volume:	421.06	bbl
1.0 lbm/sk Granulite TR 1/4	Proposed Sacks:	1590	sks



### **BILL BARRETT CORP**

CARBON COUNTY, UT (NAD 27) SECTION 26 T12S R16E PETERS POINT UF 12-26D-12-16

PT PT 12-26-12-16

Plan: Design #1

## **Standard Planning Report**

04 April, 2008



#### Planning Report

Database:

Company:

Compass

BILL BARRETT CORP

Project:

CARBON COUNTY, UT (NAD 27)

Site: Well: **SECTION 26 T12S R16E** 

Wellbore:

PETERS POINT UF 12-26D-12-16

PT PT 12-26-12-16

Design: Design #1

Local Co-ordinate Reference:

**TVD Reference: MD Reference:** 

North Reference:

**Survey Calculation Method:** 

Well PETERS POINT UF 12-26D-12-16

WELL @ 7177.00ft (Original Well Elev) WELL @ 7177.00ft (Original Well Elev)

Minimum Curvature

Project

CARBON COUNTY, UT (NAD 27)

Map System: Geo Datum: Map Zone:

US State Plane 1927 (Exact solution)

NAD 1927 (NADCON CONUS)

Utah Central 4302

System Datum:

Mean Sea Level

Using geodetic scale factor

Site

SECTION 26 T12S R16E, SECTION 26

Site Position: From:

Lat/Long

Northing: Easting:

514,769.114ft

Latitude:

39° 44' 17.290 N

**Position Uncertainty:** 

0.00 ft

Slot Radius:

2,395,129.253ft

Longitude:

110° 5' 41.4100 W

0.90°

**Grid Convergence:** 

Well

PETERS POINT UF 12-26D-12-16

+N/-S +E/-W 93.08 ft

Northing:

514,861.789 ft

11.72

Latitude:

39° 44' 18.210 N

Well Position

-24.22 ft

Easting:

2,395,103.579 ft

Longitude:

**Position Uncertainty** 

0.00 ft

Wellhead Elevation:

**Ground Level:** 

110° 5' 41.7200 W 7,162.00 ft

52,461

Wellbore

PT PT 12-26-12-16

Magnetics

**Model Name** 

Sample Date

Declination

Dip Angle

Field Strength (nT)

(°) (°) 2/25/2008

BGGM2007

Design #1

Design Audit Notes:

Version:

Tie On Depth:

65.62

Vertical Section:

Phase: Depth From (TVD) PLAN

+E/-W

0.00

+N/-S Direction (ft) (ft) (ft) (°) 0.00 0.00 0.00 334.28

lan Sections										
Measured Depth (ft)	inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100 <del>ft</del> )	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	5.00	334.28	499.68	9.82	-4.73	2.00	2.00	0.00	334.28	
1,062.46	5.00	334.28	1,060.00	53.99	-26.00	0.00	0.00	0.00	0.00	
1,918.44	26.40	334.28	1,879.27	261.45	-125.94	2.50	2.50	0.00	0.00	
5,007.28	26.40	334.28	4,645.98	1,498.77	-721.96	0.00	0.00	0.00	0.00	
6,063.26	0.00	0.00	5,665.00	1,714.09	-825.69	2.50	-2.50	0.00	180.00	
7,908.26	0.00	0.00	7,510.00	1,714.09	-825.69	0.00	0.00	0.00	0.00	PBHL_PT PT 12-26





Database: Company:

Compass

BILL BARRETT CORP

Project: Site:

CARBON COUNTY, UT (NAD 27) SECTION 26 T12S R16E

Well:

PETERS POINT UF 12-26D-12-16

Wellbore:

PT PT 12-26-12-16

Design: Design #1 Local Co-ordinate Reference:

**TVD Reference:** 

MD Reference:

North Reference: Survey Calculation Method: Well PETERS POINT UF 12-26D-12-16 WELL @ 7177.00ft (Original Well Elev)

WELL @ 7177.00ft (Original Well Elev)

Minimum Curvature

	_ / 4
Plannad	GILMIAN
Planned	Out AGA

Measured Depth	Inclination	A mirror with	Vertical Depth			Vertical	Dogleg	Bulld	Turn
(ft)	(°)	Azimuth (°)	(ft)	+N/-S (ft)	+E/-W (ft)	Section (ft)	Rate (°/100ft)	Rate (°/100ft)	Rate (°/100ft)
250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build :	2.00								
300.00	1.00	334.28	300.00	0.39	-0.19	0.44	2.00	2.00	0.00
400.00									
500.00	3.00	334.28	399.93	3.54	-1.70	3.93	2.00	2.00	0.00
	5.00	334.28	499.68	9.82	-4.73	10.90	2.00	2.00	0.00
	hold at 500.00 N								
600.00	5.00	334.28	599.30	17.67	-8.51	19.62	0.00	0.00	0.00
700.00	5.00	334,28	698.92	25.53	-12.30	28.33	0.00	0.00	0.00
800.00	5.00	334.28	798.54	33.38	-16.08	37.05	0.00	0.00	0.00
900.00	5.00	334.28	898,16	41.23	-19.86	45.76	0.00	0.00	0.00
1,000.00	5.00	334.28	997.78	49.08	-23.64	54.48	0.00	0.00	0.00
1,002.23	5.00	334.28	1,000.00	49.26	-23.73	54.67	0.00	0.00	0.00
9 5/8"			.,	10.20	20.70	04.07	0.00	0.00	0.00
1,062.46	5.00	334.28	1,060.00	53.99	-26.00	59.92	0.00	0.00	2.2-
		554.20	1,000.00	93,88	-20.00	59.92	0.00	0.00	0.00
	50 TFO 0.00	004.00	4 007 07						
1,100.00	5.94	334.28	1,097.37	57.21	-27.56	63.50	2.50	2.50	0.00
1,200.00	8.44	334.28	1,196.58	68.48	-32.99	76.01	2.50	2,50	0,00
1,300.00	10.94	334.28	1,295.14	83.64	-40.29	92.84	2.50	2.50	0.00
1,400.00	13.44	334.28	1,392.88	102.66	-49.45	113.95	2.50	2.50	0.00
1,500.00	15.94	334.28	1,489.61	125.51	-60.46	139.31	2.50	2.50	0.00
1,600.00	18.44	334.28	1,585.13	152.13	-73.28	168.86	2.50	2.50	0.00
4 700 00									
1,700.00	20.94	334.28	1,679.28	182.48	-87.90	202.54	2.50	2.50	0.00
1,800.00	23.44	334.28	1,771.87	216.50	-104.29	240.31	2.50	2.50	0.00
1,900.00	25.94	334.28	1,862.72	254.13	-122.41	282.07	2.50	2.50	0.00
1,918.44	26.40	334.28	1,879.27	261.45	-125.94	290.21	2.50	2.50	0.00
	3 hold at 1918.44								
2,000.00	26.40	334.28	1,952.32	294.12	-141.68	326.47	0.00	0.00	0.00
2,100.00	26.40	334.28	2,041.89	334.18	-160.98	370.93	0.00	0.00	0.00
2,200.00	26.40	334.28	2,131.46	374.24	-180,27	415.39	0.00	0.00	0.00
2,300.00	26.40	334.28	2,221.04	414.30	-199.57	459.86	0.00	0.00	0.00
2,400.00	26.40	334.28	2,310.61	454.35	-218.86	504.32	0.00	0.00	0.00
2,500.00	26.40	334.28	2,400.18	494.41	-238.16	548.78	0.00	0.00	0.00
2,600.00	26.40	334.28	2,489.75	534.47	-257.46	593.25	0.00	0.00	0.00
2,700.00	26,40	334.28	2,579.32	574.53	-276.75	637.71	0.00	0.00	0.00
2,800.00	26.40	334.28	2,668.89	614.58	-296.05	682.17	0.00	0.00	0.00
2,900.00	26.40	334.28	2,758.46	654.64	-315.34	726.63	0.00	0.00	0.00
3,000.00	26.40	334.28	2,848.04	694.70	-334.64	771.10	0.00	0.00	0.00
3,100.00	26.40	334,28	2,937.61	734.76	-353.94	815.56	0.00	0.00	0.00
3,200.00	26.40	334.28	3,027.18	774.81	-373.23	860.02	0.00	0.00	0.00
3,300.00	26.40	334.28	3,116.75	814.87	-392.53	904.49	0.00	0.00	0.00
3,400.00	26.40	334.28	3,206.32	854.93	-411.82	948.95	0.00	0.00	0.00
3,474.44	26.40	334.28	3,273.00	884.75	-426.19	982.05	0.00	0.00	0.00
NASATCH	,		-,		0.10	002.00	0.00	0.00	0.00
3,500.00	26.40	334.28	3,295.89	894.99	-431.12	993.41	0.00	0.00	0.00
3,600.00	26.40	334.28	3,385.47	935.05	-450.42	1,037.87	0.00	0.00	0.00
3,700.00	26.40	334.28	3,475.04	975.10	-469.71	1,082.34	0.00	0.00	0.00
3,800.00	26.40	334.28	3,564.61	1,015.16	-489.01	1,126.80	0.00	0.00	0.00
3,900.00	26.40	334.28	3,654.18	1,055.22	-508.30	1,171.26	0.00	0.00	0.00
4,000.00	26.40	334.28	3,743.75	1 005 00					
1,000.00	26.40 26.40	334.28	3,743.15 3,833.32	1,095.28 1,135.33	-527.60 -546.00	1,215.73	0.00	0.00	0.00
4 100 00		JU4.Z0	∠ن.نن,ن	1,100.00	-546.90	1,260.19	0.00	0.00	0.00
4,100.00 4,200.00				1 175 20					
4,100.00 4,200.00 4,300.00	26.40 26.40	334.28 334.28	3,922.89 4,012.47	1,175.39 1,215.45	-566.19 -585.49	1,304.65 1,349.11	0.00 0.00	0.00 0.00	0.00





#### Planning Report

Database: Company: Compass

BILL BARRETT CORP

Project: **CARBON COUNTY, UT (NAD 27)** 

Site: **SECTION 26 T12S R16E** 

Weli: PETERS POINT UF 12-26D-12-16

Wellbore: Design:

PT PT 12-26-12-16

Design #1

**Local Co-ordinate Reference:** 

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well PETERS POINT UF 12-26D-12-16 WELL @ 7177.00ft (Original Well Elev)

WELL @ 7177.00ft (Original Well Elev)

True

Minimum Curvature

Survey									
Measured			Vertical			Vertical	Dogleg	Build	Turn
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
4,500.00		334.28	4,191.61	1,295,56		• •	• • •	0.00	• •
•	26.40		•		-624.08	1,438.04	0.00	0.00	0.00
4,600.00	26.40	334.28	4,281.18	1,335.62	-643.38	1,482.50	0.00	0.00	0.00
4,700.00	26.40	334.28	4,370.75	1,375.68	-662.67	1,526.97	0.00	0.00	0.00
4,800.00	26.40	334.28	4,460.32	1,415.74	-681.97	1,571.43	0.00	0.00	0.00
4,900.00	26.40	334.28	4,549.89	1,455.79	-701.26	1,615.89	0.00	0.00	0.00
5,000.00	26.40	334.28	4,639.47	1,495.85	<i>-</i> 720.56	1,660.36	0.00	0.00	0.00
5,007.28	26.40	334.28	4,645.98	1,498.77	-721.96	1,663.59	0.00	0.00	0.00
Start Drop -2	2.50								
5,100.00	24.08	334.28	4,729.85	1,534.39	-739.12	1,703.13	2.50	-2.50	0.00
5,200.00	21.58	334.28	4,822.01	1,569.34	-755.96	1,741.93	2.50	-2.50	0.00
5,300.00	19.08	334.28	4,915.77	1,600.64	-771.04	1,776.67	2.50	-2.50	0.00
5,400.00	16.58	334.28	5,010.96	1,628.23	-784.33	1,807.29	2.50	-2.50	0.00
5,500.00	14.08	334.28	5,107.39	1,652.05	-795.80	1,833.73	2.50	-2.50	0.00
5,559.21	12.60	334.28	5,165.00	1,664.35	-801.73	1,847.39	2.50	-2.50	0.00
NORTH HOR	en.								
5,600.00	11.58	334.28	5,204.89	1,672.05	-805.44	1,855.93	2.50	-2.50	0.00
5,700.00	9.08	334.28	5,303.26	1,688.21	-813.22	1,873.87	2.50	-2.50	0.00
5,800.00	6.58	334.28	5,402.32	1,700.48	-819.13	1,887.49	2.50	-2.50	0.00
5,900.00	4.08	334.28	5,501.88	1,708.85	-823.16	1,896.78	2.50	-2.50	0.00
6,000.00	1.58	334.28	5,601.75	1.713.30	-825.31	1,901.72	2.50	-2.50	0.00
6,063.26	0.00	0.00	5,665.00	1,714.09	-825.69	1,902.59	2.50	-2.50	0.00
	) hold at 6063.26		-,000,00	.,		.,00200		2.00	0.00
6,100.00	0.00	0.00	5,701.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
				•					
6,200.00	0.00	0.00	5,801.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
6,300.00	0.00	0.00	5,901.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
6,400.00	0.00	0.00	6,001.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
6,500.00	0.00	0.00	6,101.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
6,600.00	0.00	0.00	6,201.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
6,700.00	0.00	0.00	6,301.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
6,800.00	0.00	0.00	6,401.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
6,900.00	0.00	0.00	6,501.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
7,000.00	0,00	0.00	6,601.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
7,060.26	0.00	0.00	6,662.00	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
DARK CANY	ON								
7,100.00	0.00	0.00	6,701.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
7,200.00	0.00	0.00	6,801.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
7,262.26	0.00	0.00	6,864.00	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
PRICE RIVE		0.00	2,234.00	1,11.00	520.00	1,552.50	0.00	0.00	0.00
7,300.00	0.00	0.00	6,901.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
7,300.00	0.00	0.00	7,001.74	1,714.09	-625.69 -825.69	1,902.59	0.00	0.00	0.00
•	0.00					•		0.00	0.00
7,500.00	0.00	0.00	7,101.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
7,600.00	0.00	0.00	7,201.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
7,681.26	0.00	0.00	7,283.00	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
PRICE RIVE	R 6840' SAND								
7,700.00	0.00	0.00	7,301.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
7,708.26	0.00	0.00	7,310.00	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
PRICE RIVE	R 6840' BASE								•
7,800.00	0.00	0.00	7,401,74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
7,800.00	0.00	0.00	7,501.74	1,714.09	-825.69	1,902.59	0.00	0.00	0.00
7,900.00	0.00	0.00	7,501.74 7,510.00	1,714.09	-825.69	•	0.00	0.00	0.00
1,500.20	0.00	0.00	7,010.00	1,7 14.09	-020.09	1,902.59	0.00	0.00	0.00





#### Planning Report

Database:

Compass

Company: BILL BARRETT CORP

Project: Site:

CARBON COUNTY, UT (NAD 27)

**SECTION 26 T12S R16E** 

Well: Wellbore: Design:

PETERS POINT UF 12-26D-12-16

PT PT 12-26-12-16

Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: **Survey Calculation Method:** 

Well PETERS POINT UF 12-26D-12-16 WELL @ 7177.00ft (Original Well Elev)

WELL @ 7177.00ft (Original Well Elev)

True

Minimum Curvature

**Casing Points** 

Measured Vertical Depth Depth (ft) (ft)

1,002.23

1,000.00 9 5/8"

Name

Casing Diameter (")

9-5/8

Hole Diameter

(")

12-1/4

Formations					······································	
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	3,474.44	3,273.00	WASATCH		0.00	
	5,559.21	5,165.00	NORTH HORN		0.00	
	7,060.26	6,662.00	DARK CANYON		0.00	
	7,262.26	6,864.00	PRICE RIVER		0.00	
	7,681.26	7,283.00	PRICE RIVER 6840' SAND		0.00	
	7,708.26	7,310.00	PRICE RIVER 6840' BASE		0.00	

Plan Annotations						
Meas	ured	Vertical	Local Coor	dinates		
Dep	th	Depth	+N/-S	+E/-W		
(ft	)	(ft)	(ft)	(ft)	Comment	
2	50.00	250.00	0.00	0.00	Start Build 2.00	
5	00.00	499.68	9.82	-4.73	Start 562.46 hold at 500.00 MD	
1,0	62.46	1,060.00	53.99	-26.00	Start DLS 2,50 TFO 0,00	
1,9	18.44	1,879.27	261.45	-125.94	Start 3088.83 hold at 1918.44 MD	
5,0	07.28	4,645.98	1,498.77	-721.96	Start Drop -2.50	
6,0	63.26	5,665.00	1,714.09	-825.69	Start 1845.00 hold at 6063,26 MD	
7,9	08.26	7,510.00	1,714.09	-825.69	TD at 7908.26	



PETERS POINT UF 12-26D-12-16 301' FSL, 1502' FWL SECTION 26 T12S R16E CARBON COUNTY, UT Latitude: 39° 44' 18.210 N Longitude: 110° 5' 41,7200 W

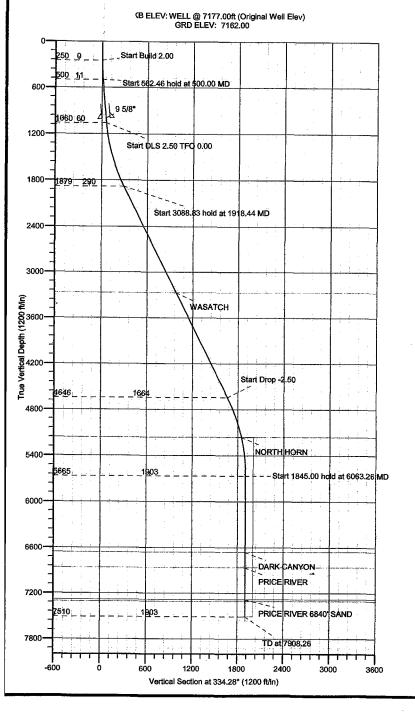


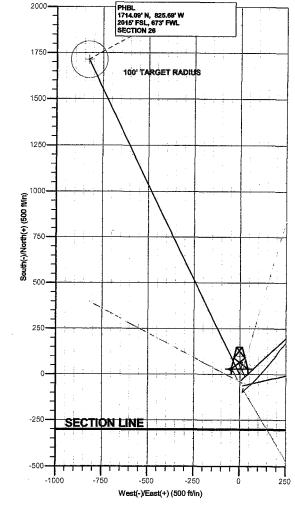
Azimuths to True North Magnetic North: 11.72°

Magnetic Field Strength: 52460.5snT Dip Angle: 65.62° Date: 2/25/2008 Model: BGGM2007

					S	ECTION DE	TAILS			
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0,00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	•
- 2	250.00	0.00	0.00	250.00	0.00	0.00	0.00	0.00	0.00	
3	500.00	5.00	334.28	499.68	9.82	-4.73	2.00	334.28	10.90	
	1062.46	5.00	334.28	1060.00	53.99	-26.00	0.00	0.00	59.92	
	1918,44	26,40	334.28	1879.27	261.45	-125.94	2.50	0.00	290,21	
6	5007.28	26.40	334.28	4645.98	1498.77	-721.96	0.00	0.00	1663.59	
7	6063.26	0.00	0.00	5665.00	1714.09	-825.69	2.50	180.00	1902.59	
8	7908.26	0.00	0.00	7510.00	1714.09	-825.69	0.00	0.00	1902.59	PBHL PT PT 12-26-12-16

		WELL	BORE TARG	ET DETAILS (	MAP CO-ORDIN	NATES AND LAT/LONG)		
Name PBHL	TVD 7510.00	+N/-S 1714.09	+E/-W -825.69	Northing 516562.525	Easting 2394251.155	Letitude Longitude 39° 44' 35,150 N 110° 5' 52.2900 W	Shape Circle (Radius; 100.00)	





#### FORMATION TOP DETAILS

TVDPath MDPath Formation
3273.00 3474.44 WASATCH
5185.00 5598.21 NORTH HORN
6862.00 7060.26 DARK CANYON
6864.00 7262.26 PRICE RIVER
7283.00 7681.28 PRICE RIVER 6840' SAND
7310.00 7708.26 PRICE RIVER 6840' BASE

Plan: Design #1 (PETERS POINT UF 12-26D-12-16/PT PT 12-26-12-16)

Created By: ROBERT H. SCOTT

Date: 10:14, April 07 2008



### **BILL BARRETT CORP**

CARBON COUNTY, UT (NAD 27) SECTION 26 T12S R16E PETERS POINT UF 12-26D-12-16

PT PT 12-26-12-16 Design #1

### **Anticollision Report**

04 April, 2008



#### Anticollision Report

Company: **BILL BARRETT CORP** 

Project: **CARBON COUNTY, UT (NAD 27)** 

Reference Site: **SECTION 26 T12S R16E** 

Site Error: Reference Well:

0.00ft

PETERS POINT UF 12-26D-12-16

Well Error: Reference Wellbore 0.00ft

PT PT 12-26-12-16

Reference Design:

Design #1

Local Co-ordinate Reference:

**TVD Reference:** 

**MD Reference:** 

Well PETERS POINT UF 12-26D-12-16 WELL @ 7177.00ft (Original Well Elev) WELL @ 7177.00ft (Original Well Elev)

North Reference: **Survey Calculation Method:** 

Output errors are at

Minimum Curvature 2.00 sigma

Database:

Offset TVD Reference:

Compass Offset Datum

Reference Filter type:

Design #1

NO GLOBAL FILTER: Using user defined selection & filtering criteria

Interpolation Method:

MD + Stations Interval 100.00ft

Error Model:

**ISCWSA** 

Depth Range:

0.00 to 20,000.00ft

Scan Method:

Closest Approach 3D

Results Limited by:

Maximum center-center distance of 10,000.00ft

Error Surface:

Elliptical Conic

From

(ft)

Warning Levels Evaluated at:

2.00 Sigma

**Survey Tool Program** 

Date 4/4/2008

To

(ft)

Survey (Wellbore)

**Tool Name** 

Description

0.00

7,908.26 Design #1 (PT PT 12-26-12-16)

MWD

MWD - Standard

	Reference	Offset	Dista	nce		
Site Name Offset Well - Wellbore - Design	Measured Depth (ft)	Measured Depth (ft)	Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning
SECTION 26 T12S R16E				*		
PETERS POINT UF #14-26D-12-16 - PT PT UF 14-26D-	0.00	0.00	79.35			
PETERS POINT UF #14-26D-12-16 - PT PT UF 14-26D-	100.00	99.79	79.48	79.27	384.130 ES	
PETERS POINT UF #14-26D-12-16 - PT PT UF 14-26D-	1,200.00	1,194.10	171.88	167.80	42.070 SF	
PETERS POINT UF #3-35D-12-16 - PT PT UF #3-35D-1	250.00	250.00	96.18	95.31	111.145 CC, E	S
PETERS POINT UF #3-35D-12-16 - PT PT UF #3-35D-1	1,100.00	1,079.59	220.45	215.81	47.473 SF	
PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16	250.00	250.00	32.33	31.46	37.360 CC	
PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16	300.00	300.27	32.55	31.46	29.869 ES	
PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16	700.00	699.25	56.14	53.13	18.637 SF	
PETERS POINT UF 11-26D-12-16 - PT PT 11-26-12-16	250.00	250.00	16.66	15.79	19.251 CC	
PETERS POINT UF 11-26D-12-16 - PT PT 11-26-12-16	300.00	300.25	16.71	15.62	15.312 ES	
PETERS POINT UF 11-26D-12-16 - PT PT 11-26-12-16	600.00	600.83	23.31	20.86	9.526 SF	
PETERS POINT UF 13-26D-12-16 - PT PT 13-26-12-16	250.00	250.00	48.00	47.14	55.471 CC, E	s
PETERS POINT UF 13-26D-12-16 - PT PT 13-26-12-16	1,100.00	1,098.49	110.75	106.16	24.114 SF	
PETERS POINT UF 15-26D-12-16 - PT PT 15-26-12-16	250.00	250.00	63.87	63.01	73.813 CC, E	S
PETERS POINT UF 15-26D-12-16 - PT PT 15-26-12-16	1,100.00	1,092.11	148.34	143.45	30.380 SF	

Offset De		SECTIO	N 26 T12	S R16E - F	ETERS	POINT UF #	14-26D-12-16	- PT PT UF	14-26D-1	2-16 - PT	PT UF 1		Offset Site Error:	0.00 ft
Survey Prog Refer		B-MWD Offs	et	Semi Major	Axis				Dist	ince			Offset Weil Error:	0.00 1
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellborn +N/-S (ft)	e Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	165.75	-76.91	19.53	79.35					
100.00	100.00	99.79	99.79	0.10	0.11	165.80	-77.05	19.49	79.48	79.27	0.21	384.130 ES		
200.00	200.00	199.58	199.58	0.32	0.23	165,96	-77.49	19.38	79.87	79.33	0.54	147.080		
250.00	250.00	249.48	249.47	0.43	0.29	166.07	-77.81	19.30	80.17	79.46	0.71	112.733		
300,00	300.00	299.36	299,36	0.54	0.35	-168.13	-78.21	19.19	80.96	80.07	0.88	91.722		
400.00	399.93	399,05	399.04	0.77	0.46	-168,26	-79.21	18.93	85.29	84.06	1.22	69.700		
500.00	499.68	498.49	498.47	1.01	0.58	-168.71	-80.50	18.60	93.30	91.73	1.57	59.450		
600.00	599.30	597.73	597.70	1.26	0.69	-169.21	-82.08	18.19	103.27	101.36	1.91	54.006		
700.00	698.92	696.92	696.87	1.52	0.81	-169.55	-83,93	17.71	113.51	111.26	2.26	50.296		
800.00	798.54	796.06	795.99	1.79	0.92	-169.77	-86.07	17.15	124.01	121.41	2.60	47.650		
900.00	898.16	895.15	895.05	2.05	1.04	-169.89	-88,50	16.52	134.77	131.82	2.95	45.702		
1,000.00	997.78	994.19	994.04	2.32	1.15	-169.93	-91.20	15.82	145.78	142.48	3.30	44,234		
1,062.46	1,060.00	1,056.01	1,055.84	2.49	1.22	-169,93	-93.04	15.34	152.78	149.27	3.51	43.499		



#### Anticollision Report

Company: **BILL BARRETT CORP** 

Project: CARBON COUNTY, UT (NAD 27) SECTION 26 T12S R16E

Reference Site: Site Error:

0.00ft

Reference Well: Well Error:

PETERS POINT UF 12-26D-12-16

Reference Wellbore

0.00ft

PT PT 12-26-12-16

Reference Design: Design #1 Local Co-ordinate Reference:

**TVD Reference:** 

MD Reference:

Well PETERS POINT UF 12-26D-12-16 WELL @ 7177.00ft (Original Well Elev)

WELL @ 7177.00ft (Original Well Elev)

North Reference:

**Survey Calculation Method:** 

Minimum Curvature

Output errors are at

2.00 sigma

Database: Offset TVD Reference: Compass Offset Datum

Depth (ft)  1,100.00 1,200.00 1,300.00 1,400.00 1,500.00 1,600.00  1,700.00 1,800.00 1,918.44 2,000.00 2,100.00 2,100.00 2,200.00 2,200.00 2,200.00 2,200.00 2,300.00 2,500.00 2,900.00 3,000.00 3,100.00 3,100.00 3,200.00 3,200.00 3,200.00 3,300.00 3,300.00 3,300.00 3,300.00 3,300.00 3,300.00 3,300.00		Measured Depth (ft)  1,093.13 1,194.10 1,297.63 1,399.47 1,500.88 1,599.32 1,696.42 1,793.44 1,892.03 1,909.40 1,985.86 2,079.59 2,173.75 2,268.65	Vertical Depth (ft) 1,092.93 1,193.88 1,297.39 1,399.10 1,500.05 1,597.56 1,693.07 1,787.69 1,882.79 1,899.42 1,972.20	Semi Major Reference (ft) 2.59 2.90 3.24 3.64 4.10 4.62 5.22 5.89 6.65 6.79 7.46	Axis Offset (ft) 1.27 1.46 1.64 1.83 2.02 2.23 2.48 2.79 3.18	Highside Toolface (°) -169.91 -170.28 -171.48 -173.55 -176.43 -179.76	Offset Wellbor +N/-8 (ft) -94.19 -96.62 -96.44 -93.01 -86.24 -76.86	15.05 14.73 15.90 19.45 26.16	Dista Between Centres (ft) 157.34 171.88 188.66 207.55	Between Ellipses (ft) 153.69 167.80 184.19	Minimum Separation (ft) 3.65 4.09 4.47	Separation Factor 43.128 42.070 SF	Offset Well Error: Warning	0.00 ff
Depth (ft)  1,100.00 1,200.00 1,300.00 1,400.00 1,500.00 1,600.00 1,700.00 1,800.00 1,918.44 2,000.00 2,200.00 2,200.00 2,200.00 2,200.00 2,500.00 2,600.00 2,600.00 2,900.00 3,100.00 3,100.00 3,100.00 3,200.00 3,200.00 3,300.00 3,300.00 3,400.00	Depth (ft) 1,097.37 1,196.58 1,295.14 1,392.88 1,489.61 1,585.13 1,679.28 1,771.87 1,862.72 1,879.27 1,952.32 2,041.89 2,131.46 2,221.04 2,310.61 2,400.18	Measured Depth (ft) 1,093.13 1,194.10 1,297.63 1,399.47 1,500.88 1,599.32 1,696.42 1,793.44 1,892.03 1,909.40 1,985.86 2,079.59 2,173.75	Vertical Depth (ft) 1,092.93 1,193.88 1,297.39 1,399.10 1,500.05 1,597.56 1,693.07 1,787.69 1,882.79 1,899.42 1,972.20	Reference (ft)  2.59 2.90 3.24 3.64 4.10 4.62 5.22 5.89 6.65 6.79	1.27 1.46 1.64 1.83 2.02 2.23 2.48 2.79	Toolface (°) -169.91 -170.28 -171.48 -173.55 -176.43 -179.76	+N/-8 (ft) -94.19 -96.62 -96.44 -93.01 -86.24 -76.86	15.05 14.73 15.90 19.45 26.16	Between Centres (ft) 157.34 171.88 188.66	Between Ellipses (ft) 153.69 167.80	Separation (ft) 3.65 4.09	<b>Factor</b> 43.128 42.070 SF	Warning	
1,100.00 1,200.00 1,300.00 1,400.00 1,500.00 1,600.00 1,700.00 1,800.00 1,900.00 2,100.00 2,200.00 2,200.00 2,500.00 2,500.00 2,600.00 2,600.00 2,900.00 3,000.00 3,100.00 3,200.00 3,200.00 3,200.00 3,300.00 3,300.00 3,300.00 3,300.00	1,097.37 1,196.58 1,295.14 1,392.88 1,489.61 1,565.13 1,679.28 1,771.87 1,862.72 1,879.27 1,952.32 2,041.89 2,131.46 2,221.04 2,310.61 2,400.18	1,093.13 1,194.10 1,297.63 1,399.47 1,500.88 1,599.32 1,696.42 1,793.44 1,892.03 1,909.40 1,985.86 2,079.59 2,173.75	1,092,93 1,193,88 1,297,39 1,399,10 1,500.05 1,597,56 1,693.07 1,787,69 1,882,79 1,899,42 1,972,20	2.59 2.90 3.24 3.64 4.10 4.62 5.22 5.89 6.65 6.79	1.27 1.46 1.64 1.83 2.02 2.23 2.48 2.79	(°) -169.91 -170.28 -171.48 -173.55 -176.43 -179.76	-94.19 -96.62 -96.44 -93.01 -96.24 -76.86	15.05 14.73 15.90 19.45 26.16	(ft) 157.34 171.88 188.66	( <b>ft)</b> 153.69 167.80	(ft) 3.65 4.09	43.128 42.070 SF		
1,200.00 1,300.00 1,400.00 1,500.00 1,500.00 1,600.00 1,700.00 1,900.00 1,918.44 2,000.00 2,100.00 2,200.00 2,300.00 2,400.00 2,500.00 2,600.00 2,700.00 2,900.00 3,100.00 3,100.00 3,200.00 3,300.00 3,300.00 3,300.00 3,300.00 3,400.00	1,196,58 1,295,14 1,392,88 1,489,61 1,585,13 1,679,28 1,771,87 1,862,72 1,879,27 1,952,32 2,041,89 2,131,46 2,221,04 2,310,61 2,400,18	1,194.10 1,297.63 1,399.47 1,500.88 1,599.32 1,696.42 1,793.44 1,892.03 1,909.40 1,985.86 2,079.59 2,173.75	1,193.88 1,297.39 1,399.10 1,500.05 1,597.56 1,693.07 1,787.69 1,882.79 1,899.42 1,972.20	2.90 3.24 3.64 4.10 4.62 5.22 5.89 6.65 6.79	1.46 1.64 1.83 2.02 2.23 2.48 2.79	-170.28 -171.48 -173.55 -176.43 -179.76	-96.62 -96.44 -93.01 -86.24 -76.86	14.73 15.90 19.45 26.16	171.88 188.66	167.80	4.09	42.070 SF		
1,300.00 1,400.00 1,500.00 1,600.00 1,700.00 1,800.00 1,900.00 1,918.44 2,000.00 2,100.00 2,200.00 2,300.00 2,400.00 2,500.00 2,600.00 2,700.00 2,900.00 3,000.00 3,100.00 3,300.00 3,200.00 3,200.00 3,200.00 3,200.00 3,300.00 3,300.00 3,400.00	1,295.14 1,392.88 1,489.61 1,585.13 1,679.28 1,771.87 1,862.72 1,952.32 2,041.89 2,131.46 2,221.04 2,310.61 2,400.18	1,297.63 1,399.47 1,500.88 1,599.32 1,696.42 1,793.44 1,892.03 1,909.40 1,985.86 2,079.59 2,173.75	1,297,39 1,399,10 1,500,05 1,597,56 1,693,07 1,787,69 1,882,79 1,899,42 1,972,20	3.24 3.64 4.10 4.62 5.22 5.89 6.65 6.79	1.64 1.83 2.02 2.23 2.48 2.79	-171.48 -173.55 -176.43 -179.76	-96.44 -93.01 -86.24 -76.86	15.90 19.45 26.16	188.66					
1,400.00 1,500.00 1,600.00 1,700.00 1,900.00 1,918.44 2,000.00 2,100.00 2,200.00 2,300.00 2,500.00 2,500.00 2,600.00 2,900.00 3,000.00 3,100.00 3,200.00 3,200.00 3,200.00 3,300.00 3,300.00 3,300.00 3,300.00	1,392.88 1,489.61 1,585.13 1,679.28 1,771.87 1,862.72 1,879.27 1,952.32 2,041.89 2,131.46 2,221.04 2,310.61 2,400.18	1,399.47 1,500.88 1,599.32 1,696.42 1,793.44 1,892.03 1,909.40 1,985.86 2,079.59 2,173.75	1,399.10 1,500.05 1,597.56 1,693.07 1,787.69 1,882.79 1,899.42 1,972.20	3.64 4.10 4.62 5.22 5.89 6.65 6.79	1.83 2.02 2.23 2.48 2.79	-173.55 -176.43 -179.76	-93.01 -86.24 -76.86	19.45 26.16		184.19	4.47			
1,500.00 1,600.00 1,700.00 1,800.00 1,900.00 1,918.44 2,000.00 2,200.00 2,300.00 2,400.00 2,500.00 2,600.00 2,700.00 2,800.00 3,100.00 3,100.00 3,100.00 3,200.00 3,300.00 3,400.00 3,400.00	1,489.61 1,585.13 1,679.28 1,771.87 1,862.72 1,879.27 1,952.32 2,041.89 2,131.46 2,221.04 2,400.18	1,500.88 1,599.32 1,696.42 1,793.44 1,892.03 1,909.40 1,985.86 2,079.59 2,173.75	1,500.05 1,597.56 1,693.07 1,787.69 1,882.79 1,899.42 1,972.20	4.10 4.62 5.22 5.89 6.65 6.79	2.02 2.23 2.48 2.79	-176.43 -179.76	-86.24 -76.86	26.16	207.55			42.190		
1,600.00  1,700.00 1,800.00 1,900.00 1,918.44 2,000.00 2,100.00 2,200.00 2,400.00 2,500.00 2,500.00 2,600.00 2,800.00 2,900.00 3,100.00 3,100.00 3,200.00 3,300.00 3,400.00	1,585,13 1,679,28 1,771,87 1,862,72 1,879,27 1,952,32 2,041,89 2,131,46 2,221,04 2,310,61 2,400,18	1,599.32 1,696.42 1,793.44 1,892.03 1,909.40 1,985.86 2,079.59 2,173.75	1,597.56 1,693.07 1,787.69 1,882.79 1,899.42 1,972.20	4.62 5.22 5.89 6.65 6.79	2.23 2.48 2.79	-179.76	-76.86			202.68	4.86	42.669		
1,700.00 1,800.00 1,900.00 1,918.44 2,000.00 2,100.00 2,200.00 2,300.00 2,500.00 2,700.00 2,700.00 2,800.00 2,900.00 3,100.00 3,100.00 3,200.00 3,200.00 3,400.00 3,400.00	1,679.28 1,771.87 1,862.72 1,879.27 1,952.32 2,041.89 2,131.46 2,221.04 2,310.61 2,400.18	1,696.42 1,793.44 1,892.03 1,909.40 1,985.86 2,079.59 2,173.75	1,693.07 1,787.69 1,882.79 1,899.42 1,972.20	5.22 5.89 6.65 6.79	2.48 2.79				229.01	223.75	5.27	43.472		
1,800.00 1,900.00 1,918.44 2,000.00 2,100.00 2,200.00 2,300.00 2,400.00 2,500.00 2,700.00 2,800.00 3,000.00 3,100.00 3,200.00 3,200.00 3,300.00 3,400.00	1,771.87 1,862.72 1,879.27 1,952.32 2,041.89 2,131.46 2,221.04 2,310.61 2,400.18	1,793.44 1,892.03 1,909.40 1,985.86 2,079.59 2,173.75	1,787.69 1,882.79 1,899.42 1,972.20	5.89 6.65 6.79	2.79	176.67	05.00	35.86	253.97	248.26	5.70	44.528		
1,900.00 1,918.44 2,000.00 2,100.00 2,200.00 2,200.00 2,400.00 2,500.00 2,500.00 2,800.00 2,900.00 3,100.00 3,100.00 3,200.00 3,300.00 3,400.00 3,400.00	1,862.72 1,879.27 1,952.32 2,041.89 2,131.46 2,221.04 2,310.61 2,400.18	1,892.03 1,909.40 1,985.86 2,079.59 2,173.75	1,882.79 1,899.42 1,972.20	6.65 6.79			-65.00	48.65	282.99	276.82	6.17	45.889		
1,918.44 2,000.00 2,100.00 2,200.00 2,300.00 2,400.00 2,500.00 2,600.00 2,700.00 2,800.00 3,100.00 3,100.00 3,200.00 3,300.00 3,400.00	1,879.27 1,952.32 2,041.89 2,131.46 2,221.04 2,310.61 2,400.18	1,909.40 1,985.86 2,079.59 2,173.75	1,899.42 1,972.20	6.79	3.18	173.00	-50.40	64.33	316.09	309.43	6.66	47.438		
2,000.00  2,100.00  2,200.00  2,300.00  2,400.00  2,500.00  2,600.00  2,700.00  2,900.00  3,000.00  3,100.00  3,200.00  3,200.00  3,300.00  3,400.00	1,952.32 2,041.89 2,131.46 2,221.04 2,310.61 2,400.18	1,985.86 2,079.59 2,173.75	1,972.20		0	169.31	-31.81	82.48	352.34	345.15	7.19	49.011		
2,100.00 : 2,200.00 : 2,300.00 : 2,500.00 : 2,500.00 : 2,500.00 : 2,700.00 : 2,900.00 : 3,000.00 : 3,100.00 : 3,200.00 : 3,200.00 : 3,300.00 : 3,400.00 : 3,400.00 : 3,400.00 : 3,400.00 : 3,400.00 : 3,400.00 : 3,400.00 : 3,400.00 : 3,400.00 : 3,400.00 : 3,400.00 : 3,400.00 : 3,400.00 : 3,400.00 : 2,400.00 : 3,400.00 :	2,041.89 2,131.46 2,221.04 2,310.61 2,400.18	2,079.59 2,173.75		7 48	3.26	168.66	-28.17	85.91	359.40	352.10	7.30	49.222		
2,200.00 2,300.00 2,400.00 2,500.00 2,500.00 2,700.00 2,800.00 2,900.00 3,100.00 3,200.00 3,200.00 3,400.00 3,400.00 3	2,131.46 2,221.04 2,310.61 2,400.18	2,173.75		1.40	3.62	166.03	-11.04	101.87	390.94	383,05	7.89	49.551		
2,300.00 2,400.00 2,500.00 2,700.00 2,600.00 2,900.00 3,000.00 3,100.00 3,200.00 3,300.00 3,400.00 3,400.00	2,221.04 2,310.61 2,400.18		2,060.82	8.29	4.12	163.08	11.62	122.35	429.74	421.06	8.68	49.499		
2,400.00 2,500.00 2,600.00 2,700.00 2,800.00 3,000.00 3,100.00 3,200.00 3,300.00 3,400.00 3	2,310.61 2,400.18	2 260 65	2,149.18	9.14	4.66	160.36	36.13	143.72	468.61	459.07	9.55	49.095		
2,500.00 : 2,600.00 : 2,700.00 : 2,900.00 : 3,000.00 : 3,100.00 : 3,200.00 : 3,400.00 : 3,400.00 : 3,400.00 : 3,600.00 :	2,400.18	۵,200.00	2,238.00	9.99	5.20	157.96	61.90	165.00	507.33	496.92	10.40	48.773		
2,600.00		2,364.92	2,328.27	10.85	5.73	155.95	88.02	185.92	546.23	535.01	11.22	48.702		
2,700.00 2,800.00 2,900.00 3,000.00 3,100.00 3,200.00 3,300.00 3,400.00 3,400.00 3	2 480 7F	2,471.47	2,428.23	11.71	6.33	154.09	119.08	205.75	581.99	570.17	11.82	49.235		
2,700.00 2,800.00 2,900.00 3,000.00 3,100.00 3,200.00 3,300.00 3,400.00 3,400.00 3	2,400.10	2,541.00	2,493.63	12.58	6.73	153.04	137.89	219.98	620.68	607.17	13.51	45.957		
2,800.00 2,900.00 3,000.00 3,100.00 3,200.00 3,300.00 3,400.00 3	2,579.32	2,619.97	2,567.86	13.45	7.21	151.96	158.01	237.90	662.18	647.70	14.48	45,738		
3,000.00 2 3,100.00 2 3,200.00 3 3,300.00 3	2,668.89	2,707.12	2,649.67	14.32	7.74	150.86	180.33	257.97	704.19	688.61	15.58	45.202		
3,100.00 2 3,200.00 3 3,300.00 3	2,758.46	2,793.32	2,730.82	15.20	8.24	149.95	201.64	277.76	746.83	730.14	16.68	44.761		
3,200.00 3 3,300.00 3 3,400.00 3	2,848.04	2,880,64	2,813.26	16.08	8.74	149.19	222.41	297.68	790.00	772.23	17.77	44.452		
3,300.00 3 3,400.00 3	2,937.61	2,969.77	2,897.74	16.96	9.24	148.56	242.70	317.56	833,43	814.59	18.84	44.239		
3,400.00	3,027.18	3,061.65	2,985.35	17.84	9.75	148.11	262.33	337.08	876.89	857.02	19.87	44.141		
	3,116.75	3,157.14	3,077.09	18.72	10.24	147.85	281.13	355.73	919.96	899.17	20.80	44.233		
3,500.00	3,206.32	3,251.64	3,168.49	19.60	10.70	147.75	298.34	372.50	962.49	940.78	21.71	44.326		
	3,295.89	3,339.69	3,254.22	20.49	11.09	147.83	312.50	386.72	1,004.94	982.13	22.80	44.067		
3,600.00	3,385.47	3,425.02	3,337.86	21.37	11.44	148.06	323.71	399.33	1,047.89	1,023.92	23.97	43.716		
3,700.00	3,475.04	3,523.15	3,434.54	22.26	11.80	148.47	334.55	412.14	1,090.69	1,066.01	24.69	44.182		
3,800.00	3,564.61	3,623.12	3,533.35	23.14	12.13	148.94	344.71	423.41	1,132.69	1,107.51	25.18	44.988		
3,900.00	3,654.18	3,718.09	3,627.47	24.03	12.43	149.45	353.28	432.84	1,174.38	1,148.55	25.83	45.462		
4,000.00	3,743.75	3,821.94	3,730.63	24.92	12.72	150.06	361.69	441.14	1,215.23	1,189.41	25.82	47.074		
4,100.00	3,833.32	3,912.13	3,820.38	25.80	12.96	150.63	368.21	447.23	1,255.77	1,229.22	26.55	47.300		
	3,922.89	3,997.24	3,905.14	26.69	13.17	151.16	373.57	452.75	1,296.71	1,269.05	27.66	46.877		
	4,012.47	4,088.79	3,996.40	27.58	13.38	151.75	378.47	458.14	1,337.89	1,309.53	28.36	47.174		
4,400.00	4,102.04	4,181.88	4,089.31	28.47	13.57	152.39	382.26	462.47	1,379.04	1,349,95	29.09	47.411		
4,500.00	4,191.61	4,274.39	4,181.75	29.36	13.74	153.08	384.56	465.34	1,420.16	1,390.05	30.11	47.172		
4,600.00	4,281.18	4,367.77	4,275.11	30.25	13.87	153.81	385.63	466.91	1,461.25	1,430.25	31.00	47.134		
	4,370.75	4,459.01	4,366.34	31.14	14.00	154.52	386.10	467.75	1,502.38	1,470.92	31.46	47.759		
	4,460.32	4,545.56	4,452.89	32.03	14.12	155.17	386.39	468.44	1,543.71	1,511.72	31.99	48.260		
	4,549.89	4,630.60	4,537.92	32.92	14.23	155.78	386.40	469.14	1,585.44	1,553.00	32.43	48.885		
5,000.00	4,639.47	4,718.17	4,625.50	33.81	14.35	156.40	386,02	469.79	1,627.53	1,594.66	32.87	49.515		
5,007.28	4,645.98	4,724.63	4,631.95	33.87	14.36	156.44	385.98	469.83	1,630.60	1,597.70	32.90	49.561		
	4,729.85	4,805.40	4,712.72	34.59	14.46	157.36	385.43	470.33	1,668.28	1,634.91	33.37	49.993		
	4,822.01	4,893.64	4,800.96	35.22	14.57	158.23	384.53	470.87	1,705.68	1,671.86	33.82	50.440		
	4,915.77	4,985.12	4,892.42	35.78	14.69	158.99	383.22	471.25	1,739.52	1,705.30	34.22	50.831		
	5,010.96	5,078.78	4,986.06	36,29	14.80	159.65	381.53	471.39	1,769.66	1,735.08	34.58	51.175		
5,500.00	5,107.39	5,172.18	5,079.44	36.73	14.91	160.22	379.54	471.32	1,796.01	1,761.12	34.89	51,475		
	5,204.89	5,264.48	5,075.44	37.11	15.02	160.69	377.19	471.18	1,818.66	1,783.51	35.15	51.743		
-	5,303.26	5,357.05	5,264.24	37.43	15.13	~161.09	374.38	470.89	1,837.55	1,802.20	35.35	51.986		
	5,402.32	5,449.00	5,356.13	37.68	15.22	161.43	370.98	470.49	1,852.80	1,817.31	35.48	52.214		
	5,501.88	5,547.70	5,454.74	37.87	15.33	161.71	366.90	469.82	1,864.10	1,828.54	35.56	52.416		
6,000.00			5,553.36	38.00										





Anticollision Report

Company:

BILL BARRETT CORP

Project: Reference Site: CARBON COUNTY, UT (NAD 27) SECTION 26 T12S R16E

Site Error:

0.00ft

Reference Well: Well Error:

PETERS POINT UF 12-26D-12-16

Reference Wellbore

0.00ft

PT PT 12-26-12-16

Reference Design:

Design #1

Local Co-ordinate Reference:

**TVD Reference:** 

MD Reference:

Well PETERS POINT UF 12-26D-12-16 WELL @ 7177.00ft (Original Well Elev) WELL @ 7177.00ft (Original Well Elev)

North Reference:

**Survey Calculation Method:** 

Output errors are at

Minimum Curvature 2.00 sigma

Database:

Offset TVD Reference:

Compass

Refer	ence	Offse	et	Semi Major	Axis				Dist	ince			Offset Well Error:	0.00 f
Veasured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbor +N/-S (ft)	e Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
6,063.26	5,665.00	5,711.60	5,618,45	38.05	15.49	136.32	359.31	467.98	1,873.81	1,838.25	35.56	52.696		
6,100.00	5,701.74	5,749.01	5,655.83	38.08	15.52	136,37	357.57	467.49	1,874.71	1,839.09	35.62	52.628		
6,200.00	5,801.74	5,848.94	5,755.63	38.14	15.61	136.50	352.82	466.00	1,877.14	1,841.33	35.80	52,430		
6,300.00	5,901.74	5,947.18	5,853.74	38.21	15.71	136.63	348.07	464.58	1,879.66	1,843.67	35,99	52.232		
6,400.00	6,001.74	6,044.90	5,951.32	38.29	15.81	136.77	343.10	462.98	1,882.24	1,846.07	36.17	52.034		
6,500.00	6,101.74	6,153.60	6,059.84	38.36	15.91	136.94	337.24	460.94	1,884.91	1,848.55	36,36	51.834		
6,600.00	6,201.74	6,269.57	6,175.70	38.43	16.03	137.09	332.47	458.72	1,886.60	1,850.03	36.57	51.590		
6,700.00	6,301.74	6,374.38	6,280.42	38.51	16.14	137.21	328.80	456.66	1,887.83	1,851.05	36.78	51.324		
6,800.00	6,401.74	6,474.04	6,379.98	38.58	16.25	137.34	325.04	454.24	1.888.96	1.851.96	37.00	51,057		
6,900.00	6,501.74	6,574.01	6,479.80	38.66	16,36	137.50	320.67	451.19	1,890.12	1,852.91	37.20	50.806		
7,000.00	6,601.74	6,670.58	6,576.21	38.74	16.46	137.67	316.01	447.88	1,891.36	1,853.96	37.40	50.569		
7,100.00	6,701.74	6,766.84	6,672.26	38.82	16.56	137.86	310.82	444.24	1,892.82	1,855,22	37.59	50.348		
7,200.00	6,801.74	6,857.70	6,762.86	38.90	16.65	138.06	305.15	440.38	1,894.61	1,856.84	37.78	50.155		
7,300.00	6,901.74	6,948.06	6,852.91	38.98	16.74	138.27	298.82	436.43	1,896.92	1,858.97	37.95	49.982		
7,400.00	7,001.74	7,032.79	6,937.31	39.06	16.82	138.49	292.29	432.86	1,899.89	1,861.77	38,13	49.832		
7,500.00	7,101.74	7,132.38	7,036.49	39.15	16.92	138.74	284.23	428.83	1,903.30	1,864.99	38.31	49.677		
7,600.00	7,201.74	7,231.97	7,135.67	39.23	17.02	138.99	276.18	424.80	1,906.75	1,868.24	38.51	49.514		
7,700.00	7,301.74	7,331.56	7,234.85	39.32	17.13	139.24	268.12	420.78	1,910.23	1,871.52	38.71	49.348		
7,800.00	7,401.74	7,431.15	7,334.04	39.40	17.23	139.49	260.06	416.75	1,913.75	1,874.84	38.91	49.180		
7,900.00	7,501.74	7,530.74	7,433.22	39.49	17,34	139.73	252.00	412.72	1,917.31	1,878.19	39.12	49.008		
7,908.26	7,510.00	7,538.97	7,441.41	39.50	17.35	139.76	251.33	412.39	1,917.60	1,878.46	39.14	48.994		



Anticollision Report

Company: BILL BARRETT CORP

Project: CARBON COUNTY, UT (NAD 27) Reference Site: SECTION 26 T12S R16E

Site Error:

PETERS POINT UF 12-26D-12-16

Reference Well: Well Error:

Reference Wellbore

0.00ft

PT PT 12-26-12-16

Reference Design:

Design #1

Local Co-ordinate Reference:

**TVD Reference:** 

MD Reference: North Reference:

**Survey Calculation Method:** 

Output errors are at

Database:

Offset TVD Reference:

Well PETERS POINT UF 12-26D-12-16

WELL @ 7177.00ft (Original Well Elev) WELL @ 7177.00ft (Original Well Elev)

Minimum Curvature

2.00 sigma

Compass

Survey Prog	sign <sub> ram:</sub> 0-M		211 20 1 12	.0 1(102 - 1	LILIO	CINT OF #	3-35D-12-16 -	FIFIUF	#3-330-12	- 10 - Desi	gri # i		Offset Site Error: Offset Well Error:	0.00
Refe		Offs	et	Semi Major	Axis				Dist	ance			Offset Well Citor:	0.00
leasured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbor	e Centre +E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(R)	(ft)	(ft)			
0.00	0.00	0.00	0.00	0.00	0.00	165.42	-93.08	24.22	96.18					
100.00	100.00	100.00	100.00	0.10	0.10	165.42	-93.08	24.22	96.18		0.19	503.422		
200.00	200.00	200.00	200.00	0.32	0,32	165.42	-93,08	24.22	96.18		0.64	150.144		
250.00	250.00	250.00	250.00	0.43	0.43	165.42	-93.08	24.22	96.18		0.87	111.145 CC,	. ES	
300.00	300.00	298.42	298.42	0.54	0.53	-168.98	-93.43	24.43	97.01	95.94	1.08	90.000	. — -	
400.00	399.93	394.93	394.87	0.77	0.72	-169.80	-96.23	26.08	103.69	102.18	1.51	68.517		
500.00	499.68	490.43	490.15	1.01	0.93	-171.17	-101.76	29.35	117.06	115.08	1.98	59.218		
600.00	599.30	588.53	587.88	1.26	1.18	-172.61	-109.10	33.70	134.11	131.69	2.42	55.437		
700.00	698.92	687.01	685.99	1.52	1.43	-173.74	-116.49	38.07	151.24	148.38	2.86	52.942		
800.00	798.54	785.50	784.09	1.79	1.70	-174.63	-123,88	42.44	168.41	165.11	3.30	51.052		
900.00	898.16	883.98	882.20	2.05	1.97	-175.36	-131.26	46.82	185.62	181.87	3.74	49.565		
1,000.00	997.78	982.46	980.31	2.32	2.23	-175.97	120.05	E4 40	202.05	100.65	4.10	40.200		
1,062.46	1,060.00	1,043.97	1,041.59	2.49	2.40	-175.97 -176.30	-138.65	51.19 53.92	202.85	198.65	4.19 4.48	48.368		
1,100.00	1,080.00	1,043.97	1,041.89		2.40		-143,26 145,00		213.62	209.14		47.734		
1,200.00	1,196.58	1,169.63		2.59		-176.47 -176.95	-145.98 154.40	55.53 60.61	220.45	215.81	4.64	47.473 SF		
1,300.00	1,195.58	1,169.63	1,166.57 1,253.15	2.90 3.24	2.77 3.06	-176.95 -177.45	-154.40 -164.90	60.51 66.72	243.56 273.84	238.47 268.31	5.09 5.53	47.855 49.489		
	.,200.14	10,10,4	1,4,00,10	3.24	3.00	-177.40	-104.90	00.12	213.04	اد.00ء	5.55	45,408		
1,400.00	1,392.88	1,341.32	1,336.18	3.64	3.37	-177.94	-177.16	73.98	311.05	305.08	5.97	52.101		
1,500.00	1,489.61	1,421.85	1,415.13	4.10	3.69	-178.38	-190.83	82.07	354.87	348.47	6.39	55.492		
1,600.00	1,585.13	1,500.00	1,491.28	4.62	4.03	-178.77	-205.93	91.01	404.97	398.16	6.81	59.461		
1,700.00	1,679,28	1,570.26	1,559.31	5.22	4.37	-179.10	-221.02	99.94	460.96	453.75	7.20	63.984		
1,800.00	1,771.87	1,642.35	1,628.70	5.89	4.74	-179,40	-237.85	109.90	522.31	514.70	7.61	68,660		
1,900.00	1,862.72	1,718.24	1,701.66	6.65	5.14	-179.68	-255.82	120.54	587.38	579.40	7.98	73.565		
1,918.44	1,879.27	1,731.92	1,714.81	6.79	5.22	-179.73	-259.07	122.46	599.74	591.69	8.05	74.464		
2,000.00	1,952.32	1,792.21	1,772.77	7.46	5.54	-179.92	-273.34	130.91	654.65	646.21	8.44	77.561		
2,100.00	2,041.89	1,866,13	1,843.83	8.29	5.94	179.89	-290.85	141.27	721.97	713.05	8.93	80.888		
2,200.00	2,131.46	1,940.05	1,914.90	9.14	6.35	179.73	-308.36	151.63	789.31	779.89	9.42	83.810		
-2,300.00	2,221.04	2,013.97	1,985.96	9.99	6.76	179.59	-325.87	162.00	856.64	846.72	9.92	86.387		
2,400.00	2,310.61	2,087.89	2,057.03	10.85	7.17	179.47	-343.38	172.36	923.98	913.55	10.42	88,663		
2,500.00	2,400.18	2,161.81	2,128.09	11.71	7.58	179.37	-360.88	182.72	991.31	980.38	10.93	90.685		
2,600.00	2,489.75	2,235.72	2,199.16	12.58	7.99	179.29	-378.39	193.08	1,058.65	1,047.21	11.45	92.496		
2,700.00	2,579.32	2,309.64	2,270.22	13.45	8.41	179.21	-395.90	203.44	1,125.99	1,114.03	11.96	94.125		
2,800.00	2,668,89	2,383.56	2,341.29	14.32	8.83	179.14	-413.41	213.81	1,193.33	1,180.85	12.48	95.590		
2,900.00	2,758.46	2,457.48	2,412.35	15.20	9.24	179.08	-430.92	224.17	1,260.68	1,247.67	13.01	96.915		
3,000.00	2,848.04	2,531.40	2,483.41	16.08	9.66	179.03	-448.42	234.53	1,328.02	1,314.49	13.53	98.122		
3,100.00	2,937.61	2,605.32	2,554.48	16.96	10.08	178.98	-465.93	244.89	1,395.36	1,381.30	14.06	99.223		
3,200.00	3,027.18	2,679.24	2,625.54	17.84	10.50	178.93	-483.44	255.26	1,462.71	1,448.11	14.59	100.227		
2 200 00	2 440 75	0.750.46	0.000.01	40.70	40.00	470.00						404.440		
3,300.00	3,116.75	2,753.16	2,696.61	18.72	10.93	178.89	-500.95	265.62	1,530.05	1,514.93	15.13	101.149		
3,400.00	3,206.32	2,827.08	2,767.67	19.60	11.35	178.85	-518.46	275.98	1,597.40	1,581.74	15.66	101.999		
3,500.00	3,295.89 3,385.47	2,901.00 2,974.92	2,838.74	20.49	11.77	178.82	-535.96	286.34	1,664.74	1,648.55	16,20	102.783		
3,700.00	3,475.04	2,974.92 3,048.84	2,909.80 2,980.87	21.37 22.26	12.19 12.62	178.79 178.76	-553.47 -570.98	296.70 307.07	1,732.09 1,799.43	1,715.35 1,782.16	16.73 17.27	103.506 104.177		
0.000.00														
3,800.00	3,564.61	3,122,76	3,051.93	23.14	13.04	178.73	-588.49	317.43	1,866.78	1,848.97	17.81	104.800		
3,900.00	3,654.18	3,196.68	3,123.00	24.03	13.46	178.70	-606.00	327.79	1,934.13	1,915.77	18.35	105,381		
4,000.00	3,743.75	3,270.60	3,194.06	24.92	13.89	178.68	-623.50	338.15	2,001.47	1,982.58	18.90	105.922		
4,100.00 4,200.00	3,833.32 3,922.89	3,344.52 3,418.44	3,265.13 3,336.19	25.80 26.69	14.31 14.74	178.66 178.64	-641.01 -658.52	348.51 358.88	2,068.82 2,136.17	2,049.38 2,116.18	19.44 19.98	106.427 106.901		
4,300.00	4,012.47	3,492.36	3,407.25	27.58	15.16	178.62	-676.03	369.24	2,203.51	2,182.99	20.53	107.344		
4,400.00	4,102.04	3,566.27	3,478.32	28.47	15.59	178.60	-693.54	379.60	2,270.86	2,249.79	21.07	107.760		
4,500.00	4,191.61	3,640.19	3,549.38	29.36	16.01	178.58	-711.04	389.96	2,338.21	2,316.59	21.62	108.151		
4,600.00	4,281.18	3,714.11	3,620.45	30.25	16.44	178.57	-728.55	400.33	2,405.55	2,383.39	22.17	108.520		
4,700.00	4,370.75	3,788.03	3,691.51	31.14	16.87	178.55	-746.06	410.69	2,472.90	2,450.19	22.71	108.867		
4,800.00	4,460.32	3,861.95	3,762.58	32.03	17.29	178.54	-763.57	421.05	2,540.25	2,516.99	23.26	109.195		



Anticollision Report

Company:

BILL BARRETT CORP

Project:

CARBON COUNTY, UT (NAD 27)

Reference Site: Site Error:

0.00ft

Reference Well: Well Error:

PETERS POINT UF 12-26D-12-16 0.00ft

SECTION 26 T12S R16E

Reference Wellbore Reference Design:

PT PT 12-26-12-16

Design #1

Local Co-ordinate Reference:

**TVD Reference:** 

MD Reference:

North Reference:

**Survey Calculation Method:** 

Output errors are at

Database:

Offset TVD Reference:

Well PETERS POINT UF 12-26D-12-16

WELL @ 7177.00ft (Original Well Elev)

WELL @ 7177.00ft (Original Well Elev)

Minimum Curvature

2.00 sigma Compass

Offset De	-		JN 20 112	3 K 10E - F	CIERO	OINT OF #	3-35D-12-16 -	PIPIUF	#3-35D-12	-16 - Desi	gn#1		Offset Site Error:	0.00 f
urvey Prog Refer		WU Offsi		Semi Major	سلسة					4			Offset Well Error:	0.001
Veasured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbor	. Oimen	Dist					
Depth	Depth	Depth	Depth	Valetatica	Olisor	Toolface	+N/-S	4E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Werning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	,		
4,900.00	4,549.89	3,935.87	3,833.64	32.92	17.72	178.52	-781.08	431.41	2,607.60	2,583.78	23.81	109.504		
5,000.00	4,639.47	4,009.79	3,904.71	33.81	18.14	178.51	-798.58	441.77	2,674.95	2,650.58	24.36	109.797		
5,007.28	4,645.98	4,015.17	3,909.88	33.87	18.18	178.51	-799.86	442.53	2,679,85	2,655,44	24.40	109.818		
5,100.00	4,729.85	4,185.30	4,074.12	34.59	18.95	178.53	-838.02	465,12	2,740,16	2,714,82	25.34	108,145		
5,200.00	4,822.01	4,483.47	4,366.08	35,22	19.96	178,55	-889.76	495,74	2,796.75	2,770.28	26.48	105.630		
5,300.00	4,915.77	4,821.43	4,701.51	35.78	20.77	178.60	-924.52	516.31	2,842.47	2,814.87	27.60	102,975		
5,400.00	5,010.96	5,131.15	5,010.96	36.29	21.19	178.65	~933.91	521.87	2,875.88	2,857,02	18.87	152,440		
5,500.00	5,107,39	5,227.59	5,107.39	36.73	21.29	178.68	-933.91	521.87	2,902.32	2,881,57	20.75			
5,600.00	5,204.89	5,325.08	5,204.89	37.11	21.38	178.70	-933.91	521.87 521.87	2,902.32	2,902.56	20.75	139.887 133.210		
5,700.00	5,303.26	5,423.45	5,303.26	37.43	21.48	178.72	-933.91	521.87 521.87	2,942.45	2,919.56	21.95	128,583		
5,800.00	5,402.32	5,522.51	5,402.32	37.68	21.58	178.73	-933.91	521.87 521.87	2,956.07	2,932.44	23.63	125.120		
5,900.00	5,501,88	5.622.07	5,501.88	37.87	21.68	470 74	000.04	CO4 07				400.400		
6,000.00	5,601.75	5,622.07	5,501.88			178.74	-933.91	521.87	2,965.36	2,941.14	24.22	122,436		
6,063.26	5,665.00		.,	38.00	21.79	178,75	-933.91	521.87	2,970.29	2,945.61	24.69	120.324		
6,100.00		5,785.20	5,665.00	38.05	21.85	153.03	-933.91	521.87	2,971.17	2,948.53	22.64	131.260		
	5,701.74	5,821.93	5,701.74	38,08	21.89	153.03	-933.91	521.87	2,971.17	2,948.32	22.84	130.072		
6,200.00	5,801.74	5,921.93	5,801.74	38.14	22.00	153.03	-933.91	521.87	2,971.17	2,947.77	23.40	126.963		
6,300.00	5,901.74	6,021.93	5,901.74	38,21	22.11	153.03	-933.91	521.87	2,971.17	2,947.22	23.94	124.088		
6,400.00	6,001.74	6,121.93	6,001.74	38.29	22.22	153.03	-933.91	521.87	2,971.17	2,946.70	24.47	121.411		
6,500.00	6,101.74	6,221.93	6,101.74	38.36	22.33	153.03	-933.91	521.87	2,971.17	2,946.18	24.99	118.901		
6,600.00	6,201.74	6,321.93	6,201.74	38.43	22.45	153.03	-933.91	521,87	2,971.17	2,945,67	25.50	116.538		
6,700.00	6,301.74	6,421.93	6,301.74	38.51	22.57	153.03	-933.91	521.87	2,971.17	2,945.17	25.99	114.302		
6,800.00	6,401.74	6,521.93	6,401.74	38,58	22.68	153.03	-933.91	521.87	2,971.17	2,944.68	26,49	112.180		
6,900.00	6,501.74	6,621.93	6,501.74	38.66	22.80	153.03	-933.91	521.87	2,971.17	2,944.20	26,97	110,160		
7,000.00	6,601.74	6,721.93	6,601.74	38.74	22.93	153.03	-933.91	521.87	2,971.17	2,943,72	27,45	108,232		
7,100.00	6,701.74	6,821.93	6,701.74	38,82	23.05	153.03	-933.91	521.87	2,971,17	2,943,24	27,93	106,388		
7,200.00	6,801.74	6,921.93	6,801.74	38.90	23.17	153.03	-933.91	521.87	2,971.17	2,942.77	28,40	104.620		
-7,300.00	6,901.74	7.021.93	6.901.74	38.98	23.30	153.03	-933.91	521.87	2,971.17	2.942.30	28.87	102,922		
7,400.00	7,001.74	7,121.93	7,001.74	39.06	23.43	153.03	-933,91	521.87	2,971.17	2,941.83	29.33	101,289		
7,500.00	7,101,74	7,221.93	7,101.74	39.15	23.56	153.03	-933.91	521.87	2,971.17	2,941.37	29.80	99.716		
7,600.00	7,201.74	7.321.93	7,201.74	39.23	23.69	153.03	-933.91	521.87	2,971.17	2,940.91	30,26	98.199		
7,700.00	7,301.74	7,421.93	7,301.74	39.32	23.82	153.03	-933.91 -933.91	521.87	2,971.17	2,940.45	30.26	96.735		
7 000 00			·											
7,800.00	7,401.74	7,521.93	7,401.74	39.40	23.95	153,03	-933.91	521.87	2,971.17	2,940.00	31.17	95.319		
7,900.00	7,501.74	7,621.93	7,501.74	39.49	24.09	153.03	-933.91	521.87	2,971.17	2,939.54	31.63	93.950		
7,900.94	7,502.68	7,622.87	7,502.68	39.49	24.09	153.03	-933.91	521.87	2,971.17	2,939.54	31.63	93.937		
7,908.26	7,510.00	7,627.20	7,507.00	39,50	24.09	153.03	-933.91	521.87	2,971.17	2,939.51	31.65	93.864		



Anticollision Report

Company:

BILL BARRETT CORP

SECTION 26 T12S R16E

Project:

CARBON COUNTY, UT (NAD 27)

Reference Site: Site Error:

0.00ft

PETERS POINT UF 12-26D-12-16

Reference Well: Well Error:

0.00ft

Reference Wellbore PT PT 12-26-12-16

Reference Design:

Design #1

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

**Survey Calculation Method:** Output errors are at

Database:

Offset TVD Reference:

Well PETERS POINT UF 12-26D-12-16

WELL @ 7177.00ft (Original Well Elev)

WELL @ 7177.00ft (Original Well Elev) True

Minimum Curvature

2.00 sigma Compass

urvey Prog		WD											Offset Well Error:	0.00 ft
Refer	ence Vertical	Offs Measured	et Vertical	Semi Major Reference	Axis Offset	titabatás	Offices 181-111		Dist				Oliset Well Effor:	0.001
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ff)	Highside Toolface (°)	Offset Wellbor +N/-S (ft)	re Centre +E/-W (ft)	Between Centres (和)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0,00	0.00	166.02				()	(1-7			
100.00	100.00	100.00	100.00	0.10	0.10	166.02	-31.37 -31.37	7.81	32.33	20.44	0.40	400.000		
200.00	200.00	200.00	200.00	0.32	0.32	166.02	-31.37 -31.37	7.81 7.81	32,33 32,33	32.14 31.69	0.19	169.220		
250.00	250.00	250.00	250.00	0.43	0.43	166.02	-31.37	7.81	32.33	31.46	0.64 0.87	50.469 37.360 CC		
300.00	300.00	300.27	300,27	0.54	0.54	-169.10	-31.07	8.13	32.55	31.46	1.09	29.869 ES		
400.00	399,93	400.69	400.62	0.77	0.77	-175.34	-28.65	10.69	34.50	32.96	1.54	22.371		
500.00	499.68	500.72	500.40	1.01	1.01	174.35	-23.84	15.78	39.43	37.42	2.01	19.626		
600.00	599,30	600.23	599.35	1.26	1.26	162.82	-16.69	23.36	46.87	44.38	2.49	18.803		
700.00	698.92	699.25	697.48	1.52	1.56	151.64	-7.52	33.07	56.14	53.13	3.01	18.637 SF		
800.00	798.54	798.27	795.53	1.79	1.86	143.47	1.94	43.09	67.07	63.52	3.54	18,926		
900.00	898.16	897.29	893.58	2.05	2.18	137.65	11.40	53,10	78.96	74.88	4.08	19.366		
1,000.00	997.78	996.31	991.64	2.32	2.50	133.38	20.86	63.12	91.45	86.84	4.61	19.831		
1,062.46	1,060.00	1,058.15	1,052.88	2.49	2.70	131.27	26.77	69.38	99.45	94.50	4.94	20.111		
1,100.00	1,097.37	1,094.60	1,088.95	2.59	2.83	130.11	30.38	73.20	104,61	99.47	5,15	20.327		
1,200.00	1,196.58	1,190.38	1,183,29	2.90	3.18	127.44	41.72	85.21	121.92	116.20	5.72	21.331		
1,300.00	1,295.14	1,284.62	1,275.35	3.24	3.58	125.34	55.51	99.81	144.26	137.93	6.34	22.766		
1,400.00	1,392.88	1,377.01	1,364.74	3.64	4.02	123.71	71.53	116.78	171.45	164.43	7.01	24.442		
1,500.00	1,489.61	1,467.31	1,451.13	4.10	4.51	122.43	89.58	135.89	203.28	195,53	7.75	26.220		
1,600.00	1,585.13	1,555.29	1,534.23	4.62	5.04	121.39	109.39	156,87	239.55	230.99	8.56	27.983		
1,700.00	1,679.28	1,640.76	1,613.85	5.22	5.61	120.48	130.72	179,46	280.07	270.64	9.43	29,690		
1,800.00	1,771.87	1,723.59	1,689.86	5.89	6.21	119.64	153.33	203.39	324.63	314.25	10.37	31.291		
1,900.00	1,862.72	1,800.00	1,758.87	6.65	6.81	118.79	175,84	227.23	373.05	361.68	11.36	32.830		
1,918.44	1,879.27	1,818.13	1,775.07	6.79	6.97	118.66	181.41	233.13	382,35	370.77	11.58	33.018		
2,000.00	1,952.32	1,881.26	1,831.02	7.46	7.51	118.90	201.50	254.40	424.47	411.97	12,50	33.955		
2,100.00	2,041.89	1,956.99	1,897.03	8.29	8.21	118.87	226.98	281.38	477.66	464.00	13.66	34.965		
2,200.00	2,131.46	2,030.77	1,960.13	9.14	8.92	118.59	253.23	309.18	532.50	517.66	14.84	35.878		
-2,300.00	2,221.04	2,112.01	2,028.72	9.99	9.75	118.19	283.12	340.82	588,40	572.30	16.10	36.551		
2,400.00	2,310.61	2,194.85	2,098.65	10.85	10.61	117.84	313.61	373.11	644.34	626,96	17.37	37.085		
2,500.00	2,400.18	2,277.68	2,168.57	11.71	11.47	117.55	344.11	405.40	700.29	681.62	18.66	37.521		
2,600.00	2,489.75	2,360.52	2,238.50	12.58	12.34	117,31	374.60	437.68	756.25	736.28	19,96	37.884		
2,700.00	2,579.32	2,443.36	2,308.42	13.45	13.21	117.09	405.09	469.97	812.21	790.95	21.27	38,190		
2,800.00	2,668.89	2,526.19	2,378.35	14.32	14.08	116.91	435.58	502,26	868,19	845.61	22.58	38.450		
2,900.00	2,758.46	2,609.03	2,448.27	15.20	14.95	116.75	466.07	534.54	924.17	900.27	23.90	38.674		
3,000.00	2,848.04	2,691.86	2,518.20	16.08	15.83	116.60	496,57	566.83	980.15	954.93	25.22	38.866		
3,100.00	2,937.61	2,774.70	2,588.13	16.96	16.71	116.47	527.06	599.12	1,036.14	1,009.60	26.54	39,034		
3,200.00	3,027.18	2,857.54	2,658.05	17.84	17.59	116.36	557,55	631.40	1,092.13	1,064.26	27.87	39,181		
3,300.00	3,116.75	2,940.37	2,727.98	18.72	18.48	116.25	588,04	663,69	1,148.13	1,118.92	29.21	39.311		
3,400.00	3,206.32	3,023.21	2,797.90	19.60	19.36	116.16	618.53	695.98	1,204.12	1,173.58	30.54	39.426		
3,500.00	3,295.89	3,106.04	2,867.83	20.49	20.25	116.07	649.03	728.26	1,260.12	1,228.24	31.88	39.529		
3,600.00 3,700.00	3,385.47 3,475.04	3,188.88 3,271.71	2,937.75 3,007.68	21.37 22.26	21.13 22.02	115.99 115.92	679,52 710.01	760.55 792.84	1,316.12 1,372.13	1,282.91 1,337.57	33.22 34.56	39,622 39,705		
3,800.00	3,564.61	2 25 4 55	2 077 60	00.44	00.04	445.00	=	**						
3,900.00	3,654.18	3,354.55	3,077.60	23.14	22.91	115.85	740.50	825.12	1,428.13	1,392.23	35.90	39.780		
4,000.00	3,743.75	3,437.39 3,520.22	3,147.53	24.03	23.80	115.79	770.99	857.41	1,484.13	1,446.89	37.24	39.849		
4,100.00	3,833,32	3,603.06	3,217.45	24.92 25.80	24.69 25.57	115.73	801.49	889.70	1,540.14	1,501.55	38.59	39.911		
4,200.00	3,922.89	3,685.89	3,287.38 3,357.31	25.80 26.69	25.57 26.46	115.68 115.63	831.98 862.47	921.98 954.27	1,596.15 1,652.15	1,556.21 1,610.87	39.94 41.28	39.969 40.021		
4 300 00	4 010 47	2 760 70	2 407 00	07.50	07.05	445.50			4 84					
4,300.00 4,400.00	4,012.47	3,768.73	3,427.23	27.58	27.35	115.59	892.96	986,56	1,708.16	1,665.53	42.63	40.069		
4,500.00	4,102.04	3,851.56	3,497.16	28.47	28.25	115.54	923.46	1,018.84	1,764.17	1,720.19	43,98	40.114		
4,600.00	4,191.61 4 281 18	3,934.40	3,567.08	29.36	29.14	115.50	953.95	1,051.13	1,820.18	1,774.85	45.33	40.155		
4,700.00	4,281.18 4,370.75	4,017.24	3,637.01	30.25	30.03	115.46	984.44	1,083.42	1,876.19	1,829.51	46.68	40.193		
, / 50.00	4,010.10	4,100.07	3,706.93	31.14	30.92	115.43	1,014.93	1,115.70	1,932.20	1,884,17	48.03	40.228		



Anticollision Report

Company: BILL BARRETT CORP

Project: CARBON COUNTY, UT (NAD 27) Reference Site: SECTION 26 T12S R16E

Site Error:

0.00ft

PETERS POINT UF 12-26D-12-16

Reference Well: Well Error:

0.00ft

Reference Wellbore

PT PT 12-26-12-16

Reference Design: Design #1 Local Co-ordinate Reference:

**TVD Reference:** 

**MD** Reference:

North Reference: Survey Calculation Method:

Output errors are at

Minimum Curvature 2.00 sigma

True

Database:

Compass

Well PETERS POINT UF 12-26D-12-16

WELL @ 7177.00ft (Original Well Elev)

WELL @ 7177.00ft (Original Well Elev)

Offset TVD Reference:

Offset Design SECTION 26 T12S R16E - PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16 - Design #1 SECTION 26 T12S R16E - PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16 - Design #1 SECTION 26 T12S R16E - PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16 - Design #1 SECTION 26 T12S R16E - PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16 - Design #1 SECTION 26 T12S R16E - PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16 - Design #1 SECTION 26 T12S R16E - PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16 - Design #1 SECTION 26 T12S R16E - PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16 - Design #1 SECTION 26 T12S R16E - PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16 - Design #1 SECTION 26 T12S R16E - PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16 - Design #1 SECTION 26 T12S R16E - PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16 - Design #1 SECTION 26 T12S R16E - PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16 - Design #1 SECTION 26 T12S R16E - PETERS POINT UF 10-26D-12-16 - PT PT 10-26-12-16 - DESIGN #1 SECTION 26 T12S R16E - PT PT 10-26-12-16 - DESIGN #1 SECTION 26 T12S R16E - PT PT PT 10-26-12-16 - DESIGN #1 SECTION 26 T12S R16E - PT PT PT 10-26-12-16 - DESIGN #1 SECTION 26 T12S R16E - PT PT PT 10-26-12-16 - DESIGN #1 SECTION 26 T12S R16E - PT PT PT 10-26-12-16 - DESIGN #1 SECTION 26 T12S R16E - PT PT PT 10-26-12-16 - DESIGN #1 SECTION 26 T12S R16E - PT PT PT 10-26-12-16 - DESIGN #1 SECTION 26 T12S R16E - PT PT PT PT 10-26-12-16 - DESIGN #1 SECTION 26 T12S R16E - PT PT PT PT PT PT 10-26-12-16 - DESIGN #1 SECTION 26 T12S R16E - PT PT PT PT PT 10-26-12-16 - DESIGN #1 SECTION 26 T12S R16E - PT PT PT PT PT 10-26-12-16 - DESIGN #1 SECTION 26 T12S R16E - PT PT PT PT PT 10-26-12-16 - DESIGN #1 SECTION 26 T12S R16E - PT													Offset Site Error: Offset Well Error:	0.00 f
Reference Offset			st .	Semi Major Axis			Distance							0.00
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S +E/-W		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(n)	(11)	(ft)	(ft)	(9)	(ft)	(ft)	(ft)	(ft)	(ft)			
4,900.00	4,549.89	4,265.74	3,846.78	32.92	32.70	115.36	1,075.92	1,180.28	2,044.23	1,993.49	50.74	40.292		
5,000.00	4,639.47	4,348.58	3,916.71	33.81	33.60	115.33	1,106.41	1,212.56	2,100.24	2,048.15	52.09	40.321		
5,007.28	4,645.98	4,354.61	3,921.80	33.87	33.66	115.33	1,108.63	1,214.91	2,104.32	2,052.13	52.19	40.323		
5,100.00	4,729.85	4,431.83	3,986.98	34.59	34.49	116.63	1,137.05	1,245.01	2,155.58	2,101.83	53.74	40.109		
5,200.00	4,822.01	4,515.92	4,057.97	35.22	35.40	117.85	1,168.01	1,277.79	2,209.29	2,153.99	55.29	39.956		
5,300.00	4,915.77	4,600.72	4,129.55	35.78	36.31	118.88	1,199.22	1,310.84	2,261.30	2,204.52	56.78	39.823		
5,400.00	5,010.96	4,686.05	4,201.58	36.29	37.23	119.76	1,230.63	1,344.10	2,311.57	2,253.36	58.21	39.712		
5,500.00	5,107.39	4,771.75	4,273.92	36.73	38.16	120.48	1,262.18	1,377.50	2,360.06	2,300.50	59.56	39.625		
5,600.00	5,204.89	4,857.65	4,346.44	37.11	39.08	121.06	1,293.80	1,410.98	2,406.77	2,345.93	60,83	39.563		
5,700.00	5,303.26	4,943.61	4,419.00	37.43	40.01	121.52	1,325.44	1,444.49	2,451.68	2,389.66	62.02	39.530		
5,800.00	5,402.32	5,029.44	4,491.46	37.68	40.93	121.86	1,357.04	1,477.94	2,494.83	2,431.71	63.12	39.525		
5,900.00	5,501.88	5,114.99	4,563.68	37.87	41.86	122.09	1,388.53	1,511.29	2,536.24	2,472.11	64.12	39.552		
6,000.00	5,601.75	5,200.10	4,635.52	38.00	42.78	122.23	1,419.86	1,544.46	2,575.95	2,510.92	65.03	39.611		
6,063,26	5,665.00	5,253.64	4,680.71	38.05	43.35	96.55	1,439.56	1,565.33	2,600.22	2,544.99	55.23	47.080		
6,100.00	5,701.74	5,393.23	4,800.59	38.08	44.57	95.27	1,488.64	1,617.30	2,613.63	2,557.98	55,65	46.965		
6,200.00	5,801.74	5,900.62	5,267.64	38.14	47.79	92.02	1,622.94	1,759.50	2,641.36	2,584.90	56.45	46.790		
6,300.00	5,901.74	6,482.31	5,840.45	38.21	49.42	90.61	1,686,01	1,826.28	2,652.82	2,595.81	57.01	46.533		
6,400.00	6,001.74	6,643.61	6,001.74	38.29	49.52	90.59	1,686.82	1,827,14	2,652.97	2,602.08	50.89	52.134		
6,500.00	6,101.74	6,743.61	6,101.74	38.36	49.58	90.59	1,686.82	1,827.14	2,652,97	2,601.87	51.09	51.924		
6,600.00	6,201.74	6,843.61	6,201.74	38.43	49.63	90.59	1,686,82	1,827.14	2,652,97	2,601.66	51.30	51.713		
6,700.00	6,301.74	6,943.61	6,301.74	38.51	49.69	90.59	1,686.82	1,827.14	2,652.97	2,601.45	51.51	51.501		
6,800.00	6.401.74	7,043.61	6,401.74	38.58	49.75	90.59	1,686.82	1,827.14	2,652.97	2,601,24	51,73	51,288		
6,900.00	6,501.74	7,143.61	6,501.74	38.66	49.81	90.59	1,686.82	1,827.14	2.652.97	2,601.02	51.94	51.073		
7,000.00	6,601.74	7.243.61	6,601.74	38.74	49.87	90.59	1,686,82	1,827.14	2,652.97	2,600.80	52.17	50.857		
7,100.00	6,701.74	7,343.61	6,701.74	38.82	49.93	90.59	1,686.82	1,827.14	2,652.97	2,600.58	52.39	50.640		
7,200.00	6,801.74	7,443.61	6,801.74	38.90	49.99	90.59	1,686.82	1,827.14	2,652.97	2,600.35	52.61	50.422		
- 7,300.00	6,901.74	7,543.61	6,901.74	38.98	50.05	90.59	1,686,82	1,827.14	2,652.97	2,600.12	52.84	50,204		
7,400.00	7,001.74	7,643.61	7.001.74	39.06	50.12	90,59	1,686.82	1,827.14	2,652.97	2,599.89	53.08	49.985		
7,500.00	7,101.74	7,743.61	7,101.74	39.15	50.12	90.59	1,686.82	1,827.14	2,652.97	2,599.66	53.31	49.764		
7,600.00	7,101.74	7,743.61	7,101.74	39.23	50.15	90.59	1,686.82	1,827.14	2,652.97	2,599.66	53,55	49.764 49.544		
7,700.00	7,301.74	7,943.61	7,301.74	39.32	50.32	90.59	1,686.82	1,827.14	2,652.97	2,599.42	53,79	49.323		
7,800.00	7,401.74	8,043,61	7,401.74	39.40	50.38	90,59	1,686,82	1,827.14	2 652 07	2,598.93	E4.02	49 101		
7,900.00	7,501.74	8,143.61	7, <del>4</del> 01.74 7,501.74	39.40	50.36	90.59		1,827.14	2,652.97	•	54.03	49.101 48.879		
7,900.00	7,501.74	8,143.61 8,151.87	7,501.74 7,510.00	39.49 39.50	50.45 50.46	90.59	1,686.82 1,686.82	1,827.14 1,827.14	2,652.97 2,652.97	2,598.69 2,598.67	54.28 54.30	48.879 48.861		

### Bill Barrett Corporation

#### **BILL BARRETT CORPORATION**

Anticollision Report

Company: BILL BARRETT CORP

Project: CARBON COUNTY, UT (NAD 27)

Reference Site: SECTION 26 T12S R16E

Site Error: Reference Well: 0.00ft

PETERS POINT UF 12-26D-12-16

Well Error:

0.00ft

Reference Wellbore Reference Design:

PT PT 12-26-12-16

Design #1

**Local Co-ordinate Reference:** 

**TVD Reference:** 

MD Reference:

Well PETERS POINT UF 12-26D-12-16 WELL @ 7177.00ft (Original Well Elev) WELL @ 7177.00ft (Original Well Elev)

North Reference:

Survey Calculation Method:

Output errors are at

Minimum Curvature 2.00 sigma Compass

Database:

Offset TVD Reference:

Name	
Depth (ft)	
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1,062.46       1,060.00       1,062.39       1,059.93       2.49       2.48       130.77       41.38       20.49       48.17       45.49       4.69       10.27         1,100.00       1,097.37       1,099.83       1,097.20       2.59       2.58       129.76       44.81       21.48       50.58       45.71       4.87       10.37         1,200.00       1,196.58       1,199.29       1,196.87       2.90       2.88       126.79       56.75       24.92       59.09       53.69       5.40       10.94         1,300.00       1,295.14       1,298.27       1,293.45       3.24       3.22       123.92       72.70       29.52       70.68       64.71       5.96       11.85         1,400.00       1,392.88       1,396.65       1,389.62       3.64       3.60       121.37       92.56       35.24       85.35       78.77       6.58       12.96         1,500.00       1,486.61       1,494.29       1,484.12       4.10       4.04       119.20       116.17       42.04       103.07       95.80       7.26       14.19         1,600.00       1,585.13       1,591.10       1,576.88       4,62       4.53       117.39       143.37       49.88	
1,100.00       1,097.37       1,099.83       1,097.20       2.59       2.58       129.75       44.81       21.48       50.58       45.71       4.87       10.37         1,200.00       1,196.58       1,199.29       1,195.87       2.90       2.88       126.79       56.75       24.92       59.09       53.69       5.40       10.94         1,300.00       1,295.14       1,298.27       1,293.45       3.24       3.22       123.92       72.70       29.52       70.68       64.71       5.96       11.85         1,400.00       1,392.88       1,396.65       1,389.62       3.64       3.60       121.37       92.56       35.24       85.35       78.77       6.58       12.96         1,500.00       1,489.61       1,494.29       1,484.12       4.10       4.04       119.20       116.17       42.04       103.07       95.80       7.26       14.19         1,600.00       1,585.13       1,591.10       1,576.68       4,62       4.53       117.39       143.37       49.88       123.76       115.75       8.01       15.44         1,700.00       1,679.28       1,686.95       1,667.08       5.22       5.08       115.85       173.99       58.70       <	<u> </u>
1,200.00     1,196.58     1,199.29     1,196.87     2.90     2.88     126.79     56.75     24.92     59.09     53.69     5.40     10.94t       1,300.00     1,295.14     1,298.27     1,293.45     3.24     3.22     123.92     72.70     29.52     70.68     64.71     5.96     11.85t       1,400.00     1,392.88     1,396.65     1,389.62     3.64     3.60     121.37     92.56     35.24     85.35     78.77     6.58     12.96t       1,500.00     1,489.61     1,494.29     1,484.12     4.10     4.04     119.20     116.17     42.04     103.07     95.80     7.26     14.192       1,600.00     1,585.13     1,591.10     1,576.68     4.62     4.53     117.39     143.37     49.88     123.76     115.75     8.01     15.44t       1,700.00     1,679.28     1,686.95     1,667.08     5.22     5.08     115.85     173.99     58.70     147.35     133.51     8.84     16.674       1,800.00     1,771.87     1,781.78     1,755.12     5.89     5.69     114.53     207.82     68.45     173.76     164.02     9.74     17.884	,
1,200.00     1,196.58     1,199.29     1,195.87     2.90     2.88     126.79     56.75     24.92     59.09     53.69     5.40     10.94       1,300.00     1,295.14     1,298.27     1,293.45     3.24     3.22     123.92     72.70     29.52     70.68     64.71     5.96     11.856       1,400.00     1,392.88     1,396.65     1,389.62     3.64     3.60     121.37     92.56     35.24     85.35     76.77     6.58     12.96t       1,500.00     1,489.61     1,494.29     1,484.12     4.10     4.04     119.20     116.17     42.04     103.07     95.80     7.26     14.192       1,600.00     1,585.13     1,591.10     1,576.68     4.62     4.53     117.39     143.37     49.88     123.76     115.75     8.01     15.44       1,700.00     1,679.28     1,686.95     1,667.08     5.22     5.08     115.85     173.99     58.70     147.35     133.51     8.84     16.674       1,800.00     1,771.87     1,781.78     1,755.12     5.89     5.69     114.53     207.82     68.45     173.76     164.02     9.74     17.884	
1,300.00     1,295.14     1,298.27     1,293.45     3.24     3.22     123.92     72.70     29.52     70.68     64.71     5.96     11.85       1,400.00     1,392.88     1,396.65     1,389.62     3.64     3.60     121.37     92.56     35.24     85.35     78.77     6.58     12.96       1,500.00     1,489.61     1,494.29     1,484.12     4.10     4.04     119.20     116.17     42.04     103.07     95.80     7.26     14.192       1,500.00     1,585.13     1,591.10     1,576.68     4.82     4.53     117.39     143.37     49.88     123.76     115.75     8.01     15.446       1,700.00     1,679.28     1,686.95     1,667.08     5.22     5.08     115.85     173.99     58.70     147.35     138.51     8.84     16.67.81       1,800.00     1,771.87     1,781.78     1,755.12     5.89     5.69     114.53     207.82     68.45     173.76     164.02     9.74     17.834	
1,500.00     1,488.61     1,494.29     1,484.12     4.10     4.04     119.20     116.17     42.04     103.07     95.80     7.26     14,192       1,600.00     1,585.13     1,591.10     1,576.68     4,62     4.53     117.39     143.37     49.88     123.76     115.75     8.01     15.44       1,700.00     1,679.28     1,686.95     1,667.08     5.22     5.08     115.85     173.99     58.70     147.35     133.51     8.84     16.67       1,800.00     1,771.87     1,781.78     1,755.12     5.89     5.69     114.53     207.82     68.45     173.76     164.02     9.74     17.835	1
1,500.00     1,488.61     1,494.29     1,484.12     4.10     4.04     119.20     116.17     42.04     103.07     95.80     7.26     14,192       1,600.00     1,585.13     1,591.10     1,576.68     4,62     4.53     117.39     143.37     49.88     123.76     115.75     8.01     15.44       1,700.00     1,679.28     1,686.95     1,667.08     5.22     5.08     115.85     173.99     58.70     147.35     133.51     8.84     16.67       1,800.00     1,771.87     1,781.78     1,755.12     5.89     5.69     114.53     207.82     68.45     173.76     164.02     9.74     17.835	i
1,600.00     1,585.13     1,591.10     1,576.68     4,62     4.53     117.39     143.37     49.88     123.76     115.75     8.01     15.44       1,700.00     1,679.28     1,686.95     1,667.08     5.22     5.08     115.85     173.99     58.70     147.35     138.51     8.84     16.67       1,800.00     1,771.87     1,781.78     1,755.12     5.89     5.69     114.53     207.82     68.45     173.76     164.02     9.74     17.83	
1,700.00 1,679.28 1,686.95 1,667.08 5.22 5.08 115.85 173.99 58.70 147.35 138.51 8.84 16.674 1,800.00 1,771.87 1,781.78 1,755.12 5.89 5.69 114.53 207.82 68.45 173.76 164.02 9.74 17.835	
1,800.00 1,771.87 1,781.78 1,755.12 5.89 5.69 114.53 207.82 68.45 173.76 164.02 9.74 17.834	
1,900.00 1,862.72 1,876.06 1,841.19 6.65 6.35 113.40 244.77 79.09 202.87 192.14 10.73 18.906	
1,918.44 1,879.27 1,893.63 1,857.16 6.79 6.48 113.27 251.83 81.13 208.47 197.55 10.92 19.090	
2,000.00 1,952.32 1,971.30 1,927.72 7.46 7.06 113.37 283.01 90.11 233.36 221.56 11.79 19.787	
2,100.00 2,041.89 2,066.53 2,014.24 8.29 7.77 113.46 321.24 101.13 263.88 250.99 12.89 20.476	
2,200.00 2,131.46 2,161.75 2,100.76 9.14 8.49 113.53 359.47 112.14 294.39 280.39 14.00 21.025	
2,300.00 2,221.04 2,256.98 2,187.28 9.99 9.22 113.59 397.70 123.16 324.91 309.78 15.13 21.477	
2,400.00 2,310.61 2,352.21 2,273.80 10.85 9.95 113.64 435.93 134.17 355.43 339.16 16.27 21.845	
2,500.00 2,400.18 2,447.44 2,360.32 11.71 10.69 113.68 474.16 145.19 385.95 388.53 17.42 22.152	
2,600.00 2,489.75 2,542.67 2,446.84 12.58 11.43 113.72 512.39 156.21 416.47 397.89 18.58 22.411	
2,700.00 2,579.32 2,637.90 2,533.36 13.45 12.17 113.75 550.62 167.22 446.99 427.24 19.75 22.632	
2,800.00 2,668.89 2,733.13 2,619.88 14.32 12.91 113.78 588.85 178.24 477.51 456.58 20.92 22.822	!
2,900.00 2,758.46 2,828.36 2,706.40 15.20 13.66 113.80 627.08 189.25 508.03 485.92 22.10 22.986	
3,000.00 2,848.04 2,923.58 2,792.91 16.08 14.41 113.82 665.31 200.27 538.55 515.26 23.28 23.130	
3,100.00 2,937.61 3,018.81 2,879.43 16.96 15.16 113.84 703.55 211.29 569.06 544.60 24.47 23.257	
3,200.00 3,027.18 3,114.04 2,965.95 17.84 15.91 113.86 741.78 222.30 599.58 573.93 25.86 23.366	
3,300.00 3,116.75 3,209.27 3,052.47 18.72 16.66 113.87 780.01 233.32 630.10 603.26 26.85 23.465	
3,400.00 3,206.32 3,304.50 3,138.99 19.60 17.41 113.89 818.24 244.33 680.62 632.58 28.04 23.556	
3,500.00 3,295.89 3,399.73 3,225.51 20.49 18.17 113.90 856.47 255.35 691.14 661.91 29.24 23.640	
3,600.00 3,385.47 3,494.96 3,312.03 21.37 18.92 113.91 894.70 266.37 721.66 691.23 30.43 23.713	
3,700.00 3,475.04 3,590.19 3,398.55 22.26 19.67 113.92 932.93 277.38 752.18 720.55 31.63 23.779	
3,800.00 3,564.61 3,685.42 3,485.07 23.14 20.43 113.93 971.16 288.40 782.70 749.87 32.83 23.840	
3,900.00 3,654.18 3,780.64 3,571.59 24.03 21.19 113.94 1,009.39 299.41 813.22 779.19 34.03 23.895	
4,000.00 3,743.75 3,875.87 3,658.11 24.92 21.94 113.95 1,047.62 310.43 843.74 808.50 35.24 23.946	
4,100.00 3,833.32 3,971.10 3,744.63 25.80 22.70 113.96 1,085.85 321.44 874.26 837.62 36.44 23.992	
4,200.00 3,922.89 4,066.33 3,831.15 26.69 23.45 113.96 1,124.08 332.46 904.78 867.14 37.64 24.036	
4,300.00 4,012.47 4,161.56 3,917.67 27.58 24.21 113.97 1,162.32 343.48 935.30 896.45 38.85 24.075	
4,400.00 4,102.04 4,256.79 4,004.18 28.47 24.97 113.98 1,200.55 354.49 965.82 925.76 40.05 24.113	
4,500.00 4,191.61 4,352.02 4,090.70 29.36 25.73 113.98 1,238.78 365.51 996.34 955.08 41.26 24.147	
4,600.00 4,281.18 4,447.25 4,177.22 30.25 26.48 113.99 1,277.01 376.52 1,026.86 984.39 42.47 24.176	
4,700.00 4,370.75 4,542.48 4,263.74 31.14 27.24 113.99 1,315.24 387.54 1,057.38 1,013.70 43.68 24.209	
4,800.00 4,460.32 4,637.70 4,350.26 32.03 28.00 114.00 1,353.47 398.56 1,087.90 1,043.01 44.88 24.237	



Anticollision Report

Company:

BILL BARRETT CORP

**SECTION 26 T12S R16E** 

Project:

**CARBON COUNTY, UT (NAD 27)** 

Reference Site: Site Error:

0.00ft

PETERS POINT UF 12-26D-12-16

Reference Well: Well Error:

0.00ft

Reference Wellbore

PT PT 12-26-12-16

Reference Design:

Design #1

**Local Co-ordinate Reference:** 

TVD Reference:

MD Reference: North Reference: WELL @ 7177.00ft (Original Well Elev) WELL @ 7177.00ft (Original Well Elev)

Well PETERS POINT UF 12-26D-12-16

**Survey Calculation Method:** 

Output errors are at

Minimum Curvature

Database:

2.00 sigma Compass

Offset TVD Reference:

Offset Datum

Offset De	_		/i1 20   12	O KIDE " F	EIENO	-OINT OF I	1-26D-12-16 -	FIFT III	20-12-16 -	Design # i			Offset Site Error:	0.00
Refe		Offs	et	Semi Mejor	Axis				Dist	ınce			Offset Well Error:	0.00
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbor +N/-8	e Centre +E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(9)	(ft)	(ft)	(ft)	(ft)	(ft)			
4,900.00	4,549.89	4,732.93	4,436.78	32.92	28.76	114.00	1,391.70	409.57	1,118,42	1.072.32	46.09	24.264		
5,000.00	4,639.47	4,828.16	4,523.30	33.81	29.52	114.01	1,429.93	420.59	1,148.94	1,101.63	47.30	24.289		
5,007.28	4,645.98	4,835.09	4,529.60	33.87	29.57	114.01	1,432.71	421.39	1,151.16	1,103.77	47.39	24.290		
5,100.00	4,729.85	4,923.60	4,610.01	34.59	30.28	114.58	1,468.25	431.63	1,178.72	1,130.21	48.52	24.295		
5,200.00	4,822.01	5,022.48	4,699.90	35.22	31.02	114.96	1,507.84	443.04	1,206.77	1,157.17	49.59	24.333		
5,300.00	4,915.77	5,133.81	4,802.58	35.78	31.67	115.22	1,549.14	454.94	1,232.27	1,181.75	50.51	24.396		
5,400.00	5,010.96	5,246.69	4,908.70	36.29	32.26	115.45	1,586.08	465.58	1,254.79	1,203.43	51.36	24.432		
5,500.00	5,107.39	5,360.97	5,017.94	36.73	32.80	115.65	1,618.32	474.87	1,274.26	1,222.14	52.12	24.447		
5,600.00	5,204.89	5,476.48	5,129.90	37.11	33.27	115.82	1,645.55	482.72	1,290.61	1,237.80	52.80	24.442		
5,700.00	5,303.26	5,592.99	5,244.14	37.43	33.67	115.97	1,667.49	489.04	1,303.76	1,250.38	53.39	24.421		
5,800.00	5,402.32	5,710.29	5,360.18	37.68	33.98	116.10	1,683.91	493.77	1,313.68	1,259.82	53.87	24.388		
5,900.00	5,501.88	5,828.14	5,477.48	37.87	34.22	116.21	1,694.64	496.86	1,320.33	1,266.09	54.24	24.341		
6,000.00	5,601.75	5,946.29	5,595,50	38.00	34.37	116.30	1,699.57	498.28	1,323.68	1,268.86	54.82	24.148		
6,063.26	5,665.00	6,015.79	5,665.00	38.05	34.43	90.61	1,699.92	498,38	1,324.14	1,278.91	45.23	29.275		
6,100.00	5,701.74	6,052.52	5,701.74	38.08	34.46	90.61	1,699,92	498.38	1,324.14	1,278.83	45.31	29.223		
6,200.00	5,801.74	6,152.52	5,801.74	38.14	34.53	90.61	1,699.92	498.38	1,324.14	1,278.61	45.54	29.079		
6,300.00	5,901.74	6,252.52	5,901.74	38.21	34.61	90.61	1,699.92	498.38	1,324,14	1.278.38	45.76	28.935		
6,400.00	6,001.74	6,352.52	6,001.74	38.29	34.68	90.61	1,699.92	498.38	1,324.14	1,278.15	45.99	28,790		
6,500.00	6,101.74	6,452.52	6,101.74	38.36	34,76	90.61	1,699.92	498.38	1,324.14	1,277.92	46.23	28.644		
6,600.00	6,201.74	6,552.52	6,201.74	38.43	34,84	90.61	1,699,92	498.38	1,324,14	1,277.68	46.46	28.498		
6,700.00	6,301.74	6,652.52	6,301.74	38.51	34.92	90.61	1,699.92	498.38	1,324.14	1,277.44	46.70	28.352		
6,800.00	6,401,74	6,752,52	6,401.74	38.58	35.00	90.61	1,699.92	498.38	1.324.14	1.277.20	46.95	28.205		
6,900.00	6,501.74	6,852.52	6,501,74	38.66	35.09	90.61	1,699,92	498.38	1,324.14	1,276.95	47.19	28.058		
7,000.00	6,601.74	6,952.52	6,601.74	38.74	35.17	90.61	1,699.92	498.38	1,324.14	1,276.70	47.44	27.911		
7,100.00	6,701.74	7,052.52	6,701.74	38.82	35.26	90.61	1,699.92	498.38	1,324.14	1,276.45	47.69	27.763		
7,200.00	6,801.74	7,152.52	6,801.74	38.90	35.34	90.61	1,699.92	498.38	1,324.14	1,276.20	47.95	27.616		
-7,300.00	6,901.74	7,252.52	6,901.74	38.98	35.43	90.61	1,699.92	498.38	1,324.14	1,275.94	48.21	27.468		
7,400.00	7,001.74	7,352.52	7,001.74	39.06	35.52	90.61	1,699,92	498.38	1,324,14	1,275.68	48.47	27.321		
7,500.00	7,101.74	7,452.52	7,101.74	39.15	35.61	90.61	1,699.92	498.38	1,324.14	1,275.41	48.73	27.173		
7,600.00	7,201.74	7,552,52	7,201.74	39.23	35.70	90.61	1,699.92	498.38	1,324.14	1,275.15	49.00	27.025		
7,700.00	7,301.74	7,652.52	7,301.74	39.32	35.79	90.61	1,699.92	498,38	1,324.14	1,274.88	49.26	26.878		
7,800.00	7,401.74	7,752.52	7,401.74	39.40	35.89	90.61	1,699,92	498.38	1,324.14	1,274.61	49,54	26.731		
7,900.00	7,501.74	7,852.52	7,501.74	39.49	35.98	90.61	1,699.92	498.38	1,324.14	1,274.33	49.81	26.584		
7,900.63	7,502,37	7.853.15	7,502.37	39.49	35.98	90.61	1,699.92	498.38	1,324.14	1,274.33	49.81	26,583		
7,908.26	7,510.00	7,858.79	7,508.00	39.50	35.99	90.61	1,699.92	498.38	1,324.15	1,274.33	49.83	26.574		

### Bill Barrett Corporation

#### **BILL BARRETT CORPORATION**

Anticollision Report

Company: BILL BARRETT CORP

Project: CARBON COUNTY, UT (NAD 27) Reference Site: SECTION 26 T12S R16E

Site Error:

0.00ft

PETERS POINT UF 12-26D-12-16

Reference Well: Well Error:

0.00ft

Reference Wellbore Reference Design:

PT PT 12-26-12-16

Design #1

Local Co-ordinate Reference:

**TVD Reference:** 

MD Reference:

North Reference:

**Survey Calculation Method:** Output errors are at

Database:

Offset TVD Reference:

Well PETERS POINT UF 12-26D-12-16

WELL @ 7177.00ft (Original Weil Elev) WELL @ 7177.00ft (Original Well Elev)

True

Minimum Curvature

2.00 sigma

Compass Offset Datum

Reference Offset Semi Mejor Axis  Distance  Vertical Management Vertical Management Configuration Co			PT 13-26-1	16 - P	3-26D-12-1	POINT UF 1	'ETERS I	S R16E - F	JN 26 T12		_	Offset De Jurvey Prog
Perform   Perf	Refere	Offset Well Error:					Axis	Semi Major	et		ence	Refer
	epth	ilipses Separation Factor	W Ce		+N/-8	Toolface			Depth	Depth	Depth	Depth
100.00   100.00   100.00   100.00   100.00   0.10   0.10   165.87   .46.55   11.72   46.00   47.84   0.19   251.200   200.00	0.00			55		165.87	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00   1,000.00	100.00	47.81 0.19 251,250								100.00	100.00	100.00
1,000.00   1,000.00	200.00		11.72	55	-46.5	165.87	0.32	0.32	200.00	200.00	200.00	200.00
1,000,00   1,000,00		47.14 0.87 55.471 CC, ES	11.72	55	-46.5	165.87	0.43	0.43	250.00	250.00		
100.00   496.86   496.86   496.86   496.86   10.01   0.99   1.710.51   46.55   11.72   67.33   64.91   2.48   27.729		47.34 1.09 44.372	11.72	55	-46.5	-168.51	0.55	0.54	300.00	300.00		
		50.31 1.55 33.518	11.72	55	-46.5							
1000.00   688.02   688.02   688.02   688.02   688.02   688.02   688.03   688.04		56.72 2.00 29.392	11.72	55	-46.5							
500.00   786.54   786.54   786.54   786.54   7.00												
1,000,00   1,000,00												
100.000   197.78   197.78   197.78   2.32   2.11   -174.55   -46.55   11.72   10.188   97.82   4.14   24.537   1.062.46   1.060.00   1.080.00   2.49   2.25   -174.83   -46.55   11.72   10.188   10.297   4.40   24.378   1.000.00   1.073.73   1.084.84												
1,082.6.8		09.07	11.72	~	70.0	-174.04						
1,100.00   1,907.37   1,008.49   1,008.49   2,59   2,34   -174.49   -146.59   111.69   110.78   100.18   4,59   24.114   SF   1,200.00   1,208.54   1,303.71   1,303.41   3,24   2.78   -173.13   -11.65   2.59   132.66   127.31   5,38   24.662   1,207.31   1,303.41   1,303.41   3,24   2.78   -173.13   -11.65   2.99   132.66   127.31   5,38   24.662   1,207.31   1,303.41												
1,200.00	,											
1,500.00												-
1,400.00 1,392.83 1,406.30 1,405.45 3.84 3.02 171.27 3.86.77 4.71 140.29 140.54 5.74 254.76 1,500.00 1,489.61 1,500.00 1,489.61 1,500.00 1,489.61 1,500.00 1,689.61 1,100.77 4.42 3.89 1-69.62 2.29.97 1-12.00 161.79 155.71 6.08 28.566 1,700.00 1,879.28 1,713.20 1,707.56 5.22 3.83 1-164.11 1.15.2												
1,500.00 1,489.61 1,508.78 1,508.98 4.10 3.29 1-69.05 2-9.57 1-9.20 161,79 155,71 6.08 28.986 1,500.00 1,585.13 1,511.11 1,607.71 4.62 3.89 1-106.02 -21.55 -34.86 179.33 179.29 6.41 27.881 1,700.00 1,771.27 1,815.01 1,805.30 5.89 4.32 1-101.99 0.19 7-76.46 220.92 21.87 7.06 31.307 1,800.00 1,771.27 1,815.01 1,805.30 5.89 4.32 1-101.99 0.19 7-76.46 220.92 21.87 7.06 31.307 1,900.00 1,802.72 1,916.47 1,903.77 6.65 4.77 1-159.13 13.49 1-102.8 245.11 237.70 7.41 33.086 1,918.44 1,792.77 1,955.14 1,821.60 6.79 4.85 1-188.68 161.2 1-105.18 248.83 242.35 7.48 33.416 2,000.00 1,962.32 2,014.48 1,997.13 7.46 5.28 1-188.68 161.2 1-105.18 248.83 242.35 7.48 33.416 2,000.00 1,962.32 2,014.48 1,997.13 7.46 5.28 1-188.68 161.2 1-105.18 24.89 3.282.83 7.88 34.344 1,200.00 2,100.00 2,401.49 2,110.75 2,088.78 6.29 6.78 1-155.34 155.44 1.178.53 322.54 313.53 9.01 35.904 1,200.00 2,401.49 2,110.75 2,988.78 6.29 6.78 1-155.34 155.44 1.178.53 322.54 313.53 9.01 35.804 1,200.00 2,400.00 2,301.61 2,399.77 2,288.31 11.71 7.98 1.150.00 111.17 2.20.49 4.20.50 4.14 39.04 10.26 3.64 11.24 11.24 1.24 11.25 11.24 11.	,000,00	127.31 5.38 24.662	2.59	15	-41.6	-1/3.13	2.78	3.24	1,303,41	1,303./1	1,285,14	1,300.00
1,800.00 1,885.13 1,811.11 1,807.71 4,82 3,59 -108.62 -21.86 -34.86 179.33 172.83 6,41 27.981 1,700.00 1,878.28 1,713.20 1,707.56 5,22 3,80 -108.12 -21.80		140.54 5.74 25.476	-6.71	7	-36.6	-171.27	3.02	3.64	1,405.45	1,406.30	1,392.88	
1,700.00 1,879.28 1,719.20 1,707.56 5.22 3.83 -164.11 -1152 -83.83 199.02 192.29 6.73 29.577 1,800.00 1,771.87 1,815.01 1,806.30 5.89 4.32 -161.59 0.19 7.54.68 220.92 213.87 7.06 31.307 1,900.00 1,82.72 1,935.14 1,921.50 6.79 4.86 -169.86 16.12 -105.18 249.83 242.55 7.48 33.416 2,000.00 1,962.32 2,014.48 1,921.50 6.79 4.86 -169.86 16.12 -105.18 249.83 242.55 7.48 33.416 2,000.00 1,962.32 2,014.48 1,921.50 6.79 4.86 -169.86 16.12 -105.18 249.83 242.55 7.48 33.416 2,000.00 2,014.88 2,110.75 2,088.78 8.29 5.76 1.55.36 41.51 -162.54 249.83 242.55 7.88 34.344 2,000.00 2,001.88 2,110.75 2,088.78 8.29 5.76 1.55.36 41.51 -162.54 249.83 242.55 7.88 34.344 2,000.00 2,001.88 2,110.75 2,088.78 8.29 5.76 1.55.36 41.51 -162.54 249.83 242.55 7.88 34.344 2,000.00 2,210.40 2,200.30 2,272.07 9.99 6.85 -162.73 88.37 -162.55 41.51 -162.54 249.83 32.254 313.53 9.01 35.804 2,200.00 2,301.61 2,309.85 2,238.37 1 10.85 7.41 -161.70 89.37 -204.52 348.71 399.08 9.83 36.212 2,400.00 2,301.61 2,398.57 2,383.71 10.85 7.41 -161.70 89.37 -204.52 348.71 399.08 9.83 36.212 2,400.00 2,400.18 2,469.84 2,455.36 11.71 7.99 -150.80 97.24 256.55 041.41 390.45 10.98 36.618 2,500.00 2,400.18 2,469.84 2,455.38 11.71 7.99 -150.80 97.24 256.55 041.41 390.45 10.98 36.618 2,500.00 2,400.18 2,469.84 245.38 13.45 13.51 10.85 10.45 10.98 36.618 1		155.71 6.08 26,596	-19.20	7	-29.9	-169.05	3.29	4.10	1,506.95	1,508.78		
1,800.00 1,771.87 1,815.01 1,806.30 5.89 4.32 -161.59 0.19 -76.46 220.62 213.87 7.06 31.307  1,900.00 1,82.72 1,916.47 1,903.77 6.65 4.77 -159.13 13.49 -100.28 245.11 237.70 7.41 33.068 1,918.44 1,879.27 1,935.14 1,821.80 6.79 4.56 -168.68 16.12 -105.18 246.83 242.35 7.48 33.416 1,918.44 1,879.27 1,935.14 1,821.80 6.79 4.56 -168.68 16.12 -105.18 246.83 242.35 7.48 33.416 2,100.00 2,041.89 2,110.75 2,088.78 8.29 5.78 -165.53 41.51 -182.54 266.52 288.10 8.42 35.199 2,200.00 2,131.46 2,207.02 2,180.42 9.14 6.31 -153.34 554.4 178.53 322.54 313.53 9.01 35.804 2,200.00 2,221.04 2,303.30 2,272.07 9.99 6.85 -152.73 68.37 2-04.52 348.71 339.08 9.63 36.212 2,400.00 2,401.89 2,405.84 2,455.36 11.71 7.98 -150.50 97.24 2-265.50 401.41 390.45 10.68 36.471 2,500.00 2,499.75 2,582.11 2,547.00 12.58 8.55 -150.00 111.71 2-322.49 40.789 41.62 211.66 36.84 2,700.00 2,758.36 2,883.39 2,688.65 13.45 9.13 -149.31 125.10 -308.48 454.33 442.05 12.39 36.692 2,800.00 2,788.46 2,880.33 2,821.94 15.20 10.30 -148.13 162.97 380.48 454.33 442.05 12.39 36.692 2,800.00 2,788.46 2,880.33 2,821.94 15.20 10.30 -148.78 162.97 380.48 504.37 561.07 446.83 36.513 3,100.00 2,758.61 2,389.73 3,086.67 17.84 12.09 146.76 194.76 438.84 504.00 44.41 614.83 857.65 511.0 446.76 194.76 438.84 504.37 561.07 563.84 13.67 3.096.67 17.84 12.09 146.76 194.76 438.84 504.37 561.0 546.69 15.41 3.555.0 2.26 15.10 146.76 194.76 438.84 568.37 721.95 701.76 20.19 35.68 3.374.40 3.380.00 3,385.47 3,368.45 3,371.81 2.04 13.29 146.76 194.76 438.84 568.37 721.95 701.76 20.19 35.784 3.300.00 3,275.84 3,485.55 3,731.81 2.04 13.29 146.76 194.76 438.84 568.37 721.95 701.76 20.19 35.784 3.300.00 3,275.84 3,485.55 3,731.81 2.04 13.29 146.76 194.76 438.84 568.37 721.95 701.76 20.19 35.784 3.300.00 3,475.04 3,485.55 3,731.81 2.04 13.29 146.76 194.76 438.84 568.37 721.95 701.76 20.19 35.784 3.300.00 3,475.04 3,485.55 3,731.81 2.04 13.29 146.76 12.46.76 12.46.76 12.46.76 12.46.76 12.46.76 12.46.76 12.46.76 12.46.76 12.46.76 12.46.76 12.46.76 12.46.76 12.46.76 12.46.76 12.46.76 12.46.76		172.93 6.41 27.981	-34.86	8	-21.5	-166.62						
1,900.00 1,882.72 1,916.47 1,903.77 6.65 4.77 -159.13 13.49 -100.28 245.11 237.70 7.41 33.086 1,918.44 1,879.27 1,935.14 1,921.80 5.79 4.85 -158.86 16.12 -105.18 249.83 242.35 7.49 33.416 2,000.00 1,982.32 2,014.48 1,997.13 7.46 5.26 -157.04 27.58 -128.55 270.71 262.83 7.88 33.446 2,000.00 1,962.32 2,014.48 1,997.13 7.46 5.26 -157.04 27.58 -128.55 270.71 262.83 7.88 33.446 2,000.00 2,001.89 2,1107.5 2,088.78 8.29 5.78 -155.36 41.51 -152.25 205.22 2,016.22 348.10 8.42 35.199 2,200.00 2,131.46 2,207.02 2,180.42 9.14 6.31 -153.94 55.44 178.53 322.54 313.53 9.01 35.804 2,309.00 2,218.04 9.14 6.31 -153.94 55.44 178.53 322.54 313.53 9.01 35.804 2,309.00 2,218.04 2,309.57 2,383.71 10.88 7.41 -151.70 83.31 -230.51 375.01 384.73 10.28 36.471 2,500.00 2,400.00 2,310.61 2,399.67 2,383.71 10.88 7.41 -151.70 83.31 -230.51 375.01 384.73 10.28 36.471 2,500.00 2,400.18 2,495.84 2,455.36 11.71 7.98 -150.80 97.24 -2265.50 401.41 380.45 10.96 38.618 2,200.00 2,489.73 2,582.11 2,547.00 12.58 8.55 -150.00 111.17 -282.49 477.99 416.22 11.66 38.664 2,700.00 2,799.32 2,688.39 2,688.65 13.45 9.71 148.58 139.03 3.34.47 481.03 467.91 13.12 36.658 2,900.00 2,579.32 2,688.39 2,688.65 16.08 10.99 147.63 166.90 386.46 507.88 493.81 13.87 33.566 2,900.00 2,788.46 2,880.93 2,821.94 15.20 10.30 -148.13 152.97 360.46 507.88 493.81 13.87 33.566 3.000.00 2,848.04 2,779.02 2,913.58 16.08 10.99 147.67 146.76 194.76 438.42 597.56 571.68 18.99 3.44 38.44 34 44.3 44.3 44.3 44.3 44.3		192.29 6.73 29.577	-53.63	2	-11.5					•		
1,918.44 1879.27 1,935.14 1,921.80 6.79 4.86 -188.68 16.12 -100.18 248.83 242.25 7.48 33.416 2000.00 1,962.32 2,014.48 1,971.33 7.46 5.25 -167.04 27.58 1-20.55 270.71 262.63 7.88 33.416 2000.00 1,041.09 1.10.75 2,088.78 8.29 5.78 -155.68 41.51 -152.54 296.52 288.10 8.42 5,199 2,200.00 1,213.48 2,207.02 2,180.42 9.14 6.31 -163.94 55.44 1.178.53 322.64 313.53 9.01 35.804 1.230.00 2,210.40 2,303.30 2,272.07 9.99 6.85 -152.73 89.37 -204.52 348.71 339.08 9.63 38.212 2,400.00 2,310.61 2,399.57 2,885.71 10.85 7.41 -151.70 83.31 -230.51 375.01 364.73 10.28 36.471 1.02.80 36.474 1.02.00 1.24.00.00 2,400.18 2,495.84 2,455.36 11.71 7.98 -150.80 97.24 2.256.50 401.41 39.04 10.66 36.684 1.70.00 2,400.18 2,495.38 2,583.65 13.45 9.13 -149.31 125.10 308.48 457.89 416.22 11.66 36.684 1.70.00 2,578.32 2,688.39 2,688.65 13.45 9.13 -149.31 125.10 308.48 457.89 416.22 11.66 36.684 1.270.00 2,578.46 2,890.33 2,821.94 15.20 10.30 -148.13 152.97 -800.46 607.88 483.81 13.67 36.696 3.000.00 2,400.48 2,977.20 2,193.58 16.08 10.89 -147.63 166.90 -386.45 654.37 519.74 14.63 36.518 3.000.00 2,878.46 2,890.33 2,821.94 15.20 10.30 -148.13 162.97 -800.46 607.88 483.81 13.67 36.696 3.000.00 2,878.46 2,890.33 2,821.94 15.20 10.30 -148.13 162.97 -800.46 607.88 483.81 13.67 36.696 3.000.00 2,8798.46 2,890.33 2,821.94 15.20 10.30 -148.13 162.97 -800.46 607.88 483.81 13.67 36.696 3.000.00 3,971.8 3,109.52 3,109.52 16.96 10.99 -147.63 166.90 -386.45 654.37 519.74 14.83 36.513 3.000.00 2,8798.46 2,890.33 2,821.94 15.20 10.30 -148.13 162.97 -800.46 607.88 483.81 13.67 36.696 3.000.00 3,971.8 3,109.52 3,800.68 11.99 -147.63 166.90 -386.45 654.37 519.74 14.83 36.513 3.000.00 3,971.8 3,109.52 3,800.68 11.49 14.71 13.80 3.000.00 3,071.8 3,109.52 3,800.68 13.99 -146.50 10.89 -147.63 166.90 -386.45 654.37 519.74 14.83 36.513 3.000.00 3,071.8 3,109.52 3,800.68 13.99 -146.50 12.99 -146.70 12.25 65.50 10.90 67.71 19.38 36.573 3.000.00 3,071.8 3,600.00 3,071.8 3,600.00 3,071.8 3,600.00 3,071.8 3,600.00 3,071.8 3,600.00 3,071.8 3,600.00 3,071.8 3,600.00 3,071.8 3	,800.00	213.87 7.06 31.307	75.46	9	0.19	-161.59	4.32	5.89	1,806.30	1,815.01	1,771.87	1,800.00
2,000.00         1,982,32         2,014,48         1,997,13         7.46         5.28         -157,04         27.58         -128,55         270,71         282,83         7.88         34,344           2,100.00         2,041,89         2,110,75         2,088,78         8.29         5.78         -155,384         41,51         -152,34         226,52         288,10         8.42         35,199           2,200.00         2,131,46         2,207,00         2,161         6,31         -155,384         55,44         -178,83         322,24         313,53         9.01         35,604           2,300.00         2,210.41         2,303,30         2,272.07         9.99         6.85         -152,73         68,37         -204,52         348,71         339,08         9,63         36,212           2,500.00         2,400.18         2,2495,84         2,455,38         11,71         7,98         -150,00         97,24         -256,50         401,41         390,45         10,96         36,618           2,600.00         2,489,75         2,822,11         2,547,00         12,58         6,55         -150,00         111,17         7,98         416,22         11,66         36,684           2,700.00         2,789,32         2,784,60 <td>,900.00</td> <td>237.70 7.41 33.086</td> <td>00.28</td> <td>9</td> <td>13.4</td> <td>-159.13</td> <td>4.77</td> <td>6.65</td> <td>1,903.77</td> <td>1,916.47</td> <td>1,862.72</td> <td>1,900.00</td>	,900.00	237.70 7.41 33.086	00.28	9	13.4	-159.13	4.77	6.65	1,903.77	1,916.47	1,862.72	1,900.00
2,100.00         2,041.88         2,110.75         2,088.78         8.29         5.78         -155.36         41.51         -152.54         296.52         288.10         8.42         35.199           2,200.00         2,131.48         2,207.02         2,180.42         9.14         6.31         -155.94         55.44         -178.53         322.64         313.53         9.01         35.804           2,300.00         2,221.04         2,390.37         2,272.07         9.99         6.85         -152.73         68.37         -204.52         348.71         339.08         9.63         36.212           2,500.00         2,400.81         2,398.57         2,385.31         10.86         7.41         -161.70         383.31         -205.50         401.41         390.45         10.96         36.518           2,500.00         2,498.75         2,582.11         2,587.00         12.58         8.55         -150.00         111.17         -262.49         416.22         11.66         36.684           2,600.00         2,488.75         2,588.65         13.45         9.13         146.31         152.71         309.48         447.99         416.22         11.66         36.684           2,900.00         2,788.46         2,880.93 </td <td>918.44</td> <td>242.35 7.48 33.416</td> <td>05.18</td> <td>2</td> <td>16.13</td> <td>-158.68</td> <td>4.86</td> <td>6.79</td> <td>1,921.60</td> <td>1,935.14</td> <td>1,879.27</td> <td>1,918.44</td>	918.44	242.35 7.48 33.416	05.18	2	16.13	-158.68	4.86	6.79	1,921.60	1,935.14	1,879.27	1,918.44
2,200.00         2,131.46         2,207.02         2,180.42         9,14         6,31         -183.94         55.44         -178.53         322.54         313.53         9,01         33.804           2,300.00         2,210.44         2,303.30         2,272.07         9.99         6.85         -162.73         68.37         -204.62         348.71         339.08         9.63         36.212           2,400.00         2,310.61         2,399.67         2,285.70         10.85         7,41         -161.70         83.31         -230.51         375.01         384.73         10.28         36.517           2,600.00         2,489.75         2,592.11         2,547.00         12.58         8.55         -150.00         111.17         -282.49         427.89         416.22         11.66         36.682           2,700.00         2,578.32         2,688.39         2,538.65         13.45         9.13         -148.31         125.10         -308.48         454.43         442.05         12.39         36.682           2,800.00         2,688.49         2,784.66         2,730.29         14.32         9.71         -148.68         139.03         -334.47         481.03         467.91         13.12         36.582           2,900.00		262.83 7.88 34.344	26.55	8	27.5	-157.04	5.26	7.46	1,997.13	2,014.48		
. 2,300.00		288.10 8.42 35.199	52.54	1	41.5°	-155.36						
2,400.00         2,310.81         2,399.57         2,363.71         10.85         7.41         -161.70         83.31         -230.51         375.01         384.73         10.28         38.471           2,500.00         2,400.18         2,495.84         2,455.36         11.71         7.98         -150.80         97.24         -256.50         401.41         390.45         10.96         36.618           2,600.00         2,489.75         2,289.75         2,281.11         2,847.00         12.58         8.55         -150.00         111.71         -282.49         427.89         416.22         11.66         36.684           2,700.00         2,579.32         2,888.39         2,538.65         13.45         9.13         -148.81         139.03         -334.47         481.03         467.91         13.12         36.658           2,900.00         2,784.66         2,730.29         14.32         9.71         -148.68         139.03         -334.47         481.03         467.91         13.12         36.658           2,900.00         2,784.86         2,809.39         2,821.94         16.20         10.30         -148.78         166.90         -388.45         534.37         519.74         14.63         36.513           3,	,200.00	313.53 9.01 35.804	78.53	4	55.4	-153.94	6.31	9.14	2,180.42	2,207.02	2,131.46	2,200.00
2,400,00         2,310,61         2,398,57         2,368,71         10,85         7,41         -151,70         83,31         -230,51         375,01         364,73         10,28         36,471           2,500,00         2,490,18         2,495,84         2,455,36         11,71         7,98         -150,80         97,24         -256,50         401,41         390,45         10,96         36,618           2,600,00         2,499,75         2,562,11         2,247,00         12,58         8,55         -150,00         111,7         -282,49         427,89         416,22         11,16         36,684           2,700,00         2,579,32         2,688,39         2,578,46         2,730,29         14,32         9,71         -148,68         139,03         -334,47         481,03         467,91         13,12         36,658           2,900,00         2,784,66         2,730,29         14,32         9,71         -148,68         139,03         -334,47         481,03         467,91         13,12         36,658           2,900,00         2,784,66         2,730,29         14,32         9,71         -148,68         139,03         -334,47         481,03         467,91         14,63         36,692           3,000,00         3,00	300.00	339.08 9.63 36.212	04.52	7	69.3	-152.73	6.85	9.99	2,272.07	2,303.30	2,221.04	.2,300.00
2,600.00         2,489.75         2,592.11         2,547.00         12.58         8.55         -150.00         111.17         -282.49         427.89         416.22         11.68         36.684           2,700.00         2,579.32         2,688.99         2,688.65         13.45         9.13         -149.31         125.10         -308.48         454.43         442.05         12.39         36.692           2,800.00         2,578.26         2,880.93         2,821.94         15.20         10.30         -148.13         152.97         -360.46         507.68         493.81         13.97         36.588           2,900.00         2,758.46         2,880.93         2,821.94         15.20         10.30         -148.13         152.97         -360.46         507.68         493.81         13.87         36.596           3,000.00         2,987.61         3,073.48         3,005.23         16.98         114.91         -147.17         180.83         -412.43         561.10         545.69         15.41         36.418           3,300.00         3,297.18         3,169.75         3,096.67         17.84         12.09         -146.76         194.76         -438.42         587.85         571.66         16.19         36.114	400.00		30.51	1	83.3°	-151.70	7.41	10.85	2,363.71	2,399.57	2,310.61	2,400.00
2,700.00         2,579.32         2,688.39         2,538.65         13.45         9.13         -149.31         125.10         -308.48         454.43         442.05         12.39         36.692           2,800.00         2,688.89         2,784.66         2,730.29         14.32         9.71         -148.68         139.03         -334.47         481.03         467.91         13.12         36.688           2,900.00         2,758.46         2,880.93         2,821.94         15.20         10.30         -148.13         152.97         -360.46         507.68         493.81         13.87         36.596           3,000.00         2,848.04         2,977.20         2,913.58         16.08         10.89         -147.63         166.90         -386.45         534.37         519.74         14.63         36.513           3,100.00         2,927.18         3,169.75         3,096.87         17.84         12.09         -146.76         194.76         438.42         587.85         571.66         16.19         36.418           3,200.00         3,116.75         3,266.02         3,188.52         18.72         12.68         -146.38         208.70         464.41         614.63         597.65         16.98         36.205 <td< td=""><td>,500.00</td><td>390.45 10.96 36.618</td><td>56.50</td><td>4</td><td>97.2</td><td>-150.80</td><td>7.98</td><td>11.71</td><td>2,455.36</td><td>2,495.84</td><td>2,400.18</td><td>2,500.00</td></td<>	,500.00	390.45 10.96 36.618	56.50	4	97.2	-150.80	7.98	11.71	2,455.36	2,495.84	2,400.18	2,500.00
2,800.00		416.22 11.66 36.684	82.49	7	111.17	-150.00	8.55	12.58	2,547.00	2,592.11		
2,900.00         2,758.46         2,880.93         2,821.94         15.20         10.30         -148.13         152.97         -360.46         507.68         493.81         13.87         36.596           3,000.00         2,848.04         2,977.20         2,913.88         16.08         10.89         -147.63         166.90         -386.45         534.37         519.74         14.63         36.513           3,100.00         2,937.61         3,073.48         3,005.23         16.96         11.49         -147.17         180.83         -412.43         561.10         545.69         15.41         36.418           3,200.00         3,027.18         3,169.75         3,096.87         17.84         12.09         -146.76         194.76         -438.42         587.85         571.66         16.19         36.314           3,300.00         3,116.75         3,266.02         3,188.52         18.72         12.68         -146.38         208.70         -464.41         614.63         597.65         16.98         36.205           3,400.00         3,285.49         3,486.56         3,371.81         20.49         13.89         -145.72         236.56         -516.39         668.25         649.68         18.57         35.883	,700.00	442.05 12.39 36.692	08.48	0	125.10	-149.31	9.13	13.45	2,638.65	2,688.39	2,579.32	2,700.00
3,000.00	800.00	467.91 13.12 36.658	34.47	3	139.0	-148.68	9.71	14.32	2,730,29	2,784.66	2,668.89	2,800.00
3,100.00 2,937.61 3,073.48 3,005.23 16.96 11.49 -147.17 180.83 -412.43 561.10 545.69 15.41 36.418 3,200.00 3,027.18 3,169.75 3,096.87 17.84 12.09 -146.76 194.76 -438.42 587.85 571.66 16.19 36.314 3,200.00 3,165.75 3,266.02 3,188.52 18.72 12.68 -146.38 208.70 -464.41 614.63 597.65 16.98 36.205 3,400.00 3,206.32 3,362.29 3,280.16 19.60 13.29 -146.04 222.63 -490.40 641.43 623.66 17.77 36.094 3,500.00 3,295.89 3,458.56 3,371.81 20.49 13.89 -145.72 236.56 -516.39 668.25 649.68 18.57 35.983 3,600.00 3,385.47 3,554.64 3,463.45 21.37 14.49 -145.43 250.49 -542.28 695.09 675.71 19.38 35.873 3,700.00 3,475.04 3,651.11 3,555.10 22.26 15.10 -145.16 264.43 -568.37 721.95 701.76 20.19 35.764 3,900.00 3,654.18 3,943.85 3,738.39 24.03 16.91 -144.67 292.29 -620.35 775.70 753.88 21.82 35.555 4,000.00 3,383.24 4,033.20 3,918.89 25.80 17.45 -144.27 319.63 -671.34 829.57 806.19 23.38 35.487 4,200.00 3,922.89 4,122.45 4,004.43 26.69 17.87 -144.22 331.65 -698.78 867.21 833.27 23.95 35.795 4,000.00 4,012.47 4,211.27 4,090.13 27.58 18.27 -144.30 342.68 -714.35 885.64 861.20 24.44 36.226 4,400.00 4,102.04 4,300.00 4,176.25 28.47 18.64 -144.51 352.76 -733.14 914.84 890.00 24.84 36.826 4,500.00 4,126.14 4,474.23 4,346.70 30.25 19.28 -145.23 369.77 -764.88 975.66 950.27 25.39 38.423		493.81 13.87 38.596	60,46	7	152.97	-148.13	10.30	15.20	2,821.94	2,880.93	2,758.46	
3,200.00 3,027.18 3,169.75 3,096.87 17.84 12.09 -146.76 194.76 438.42 597.85 571.66 16.19 36.314  3,300.00 3,116.75 3,266.02 3,188.52 18.72 12.68 -146.38 208.70 464.41 614.63 597.65 16.98 36.205 3,400.00 3,206.32 3,362.29 3,280.16 19.60 13.29 -146.04 222.63 490.40 641.43 623.66 17.77 36.094 3,500.00 3,295.89 3,458.56 3,371.81 20.49 13.89 -145.72 236.56 -516.39 668.25 649.68 18.57 35.983 3,600.00 3,385.47 3,554.84 3,463.45 21.37 14.49 -145.43 250.49 -542.38 695.09 675.71 19.38 35.873 3,700.00 3,475.04 3,651.11 3,555.10 22.26 15.10 -145.16 264.43 -568.37 721.95 701.76 20.19 35.764  3,800.00 3,564.61 3,747.38 3,646.74 23.14 15.70 -144.91 278.36 -594.36 748.81 727.81 21.00 35.658 3,900.00 3,654.18 3,843.85 3,738.39 24.03 16.31 -144.67 292.29 -620.35 775.70 753.88 21.82 35.555 4,000.00 3,743.75 3,939.93 3,830.03 24.92 16.92 -144.45 306.22 -846.34 802.59 779.95 22.64 35.455 4,000.00 3,743.75 3,939.93 3,830.03 24.92 16.92 -144.45 306.22 -846.34 802.59 779.95 22.64 35.455 4,200.00 3,922.89 4,122.45 4,004.43 26.69 17.87 -144.22 331.65 -898.78 867.21 833.27 23.95 35.795  4,300.00 4,012.47 4,211.27 4,090.13 27.58 18.27 -144.30 342.68 -71.43 825.67 806.19 23.38 35.487 4,200.00 4,102.04 4,300.00 4,176.25 28.47 18.64 -144.51 352.76 -733.14 914.84 890.00 24.44 36.226 4,400.00 4,102.04 4,300.00 4,176.25 28.47 18.64 -144.51 352.76 -733.14 914.84 890.00 24.84 36.826 4,500.00 4,191.61 4,387.24 4,261.40 29.36 18.98 7144.82 361.74 749.99 944.84 919.68 25.16 37.553 4,600.00 4,191.61 4,387.24 4,261.40 29.36 18.98 7144.82 361.74 749.99 944.84 919.68 25.16 37.553 4,600.00 4,191.61 4,387.24 4,261.40 29.36 18.98 7144.82 361.74 749.99 944.84 919.68 25.16 37.553 4,600.00 4,191.61 4,387.24 4,261.40 29.36 18.98 7144.82 361.74 749.99 944.84 919.68 25.16 37.553 4,600.00 4,191.61 4,387.24 4,261.40 29.36 18.98 7144.82 361.74 749.99 944.84 919.68 25.16 37.553 4,600.00 4,191.61 4,387.24 4,261.40 29.36 18.98 7144.82 361.74 749.99 944.84 919.68 25.16 37.553 4,600.00 4,191.61 4,387.24 4,261.40 29.36 18.98 7144.82 361.74 749.99 944.84 919.68 25.16 37.		519.74 14.63 36.513	86.45	0	166.90	-147,63	10.89	16.08	2,913.58	2,977.20		
3,300.00 3,116.75 3,266.02 3,188.52 18.72 12.68 -146.38 208.70 464.41 614.63 597.65 16.98 36.205 3,400.00 3,206.32 3,262.99 3,280.16 19.60 13.29 -146.04 222.63 490.40 641.43 623.66 17.77 36.094 3,500.00 3,295.89 3,458.56 3,371.81 20.49 13.89 -145.72 236.56 -516.39 668.25 649.68 18.57 35.983 3,600.00 3,395.47 3,554.84 3,463.45 21.37 14.49 -145.43 250.49 -542.38 695.09 675.71 19.38 35.873 3,700.00 3,475.04 3,651.11 3,555.10 22.26 15.10 -145.16 264.43 -568.37 721.95 701.76 20.19 35.764 3,500.00 3,654.18 3,843.65 3,738.39 24.03 16.31 -144.67 292.29 -620.35 775.70 753.88 21.82 35.555 4,000.00 3,743.75 3,989.93 3,830.03 24.92 16.92 -144.45 306.22 -846.34 802.59 779.96 22.64 35.455 4,100.00 3,833.32 4,033.20 3,918.89 25.80 17.45 -144.27 319.63 -671.34 829.57 806.19 23.38 35.487 4,200.00 3,922.89 4,122.45 4,004.43 26.69 17.87 -144.22 331.65 -693.78 867.21 833.27 23.95 35.795 4,000.00 4,102.04 4,200.00 4,176.25 28.47 18.64 -144.51 352.76 -733.14 914.84 890.00 24.84 36.26 4,500.00 4,281.18 4,474.23 4,346.70 30.25 19.28 -145.23 369.77 -764.88 975.66 950.27 25.39 38.423												
3,400.00 3,206.32 3,362.29 3,280.16 19.60 13.29 -146.04 222.63 -490.40 641.43 623.66 17.77 36.094 3,500.00 3,295.89 3,458.56 3,371.81 20.49 13.89 -145.72 236.56 -516.39 668.25 649.68 18.57 35.983 3,600.00 3,295.89 3,458.56 3,371.81 20.49 13.89 -145.72 236.56 -516.39 668.25 649.68 18.57 35.983 3,600.00 3,385.47 3,554.84 3,463.45 21.37 14.49 -145.43 250.49 -542.38 695.09 675.71 19.38 35.873 3,700.00 3,475.04 3,651.11 3,555.10 22.26 15.10 -145.16 264.43 -568.37 721.95 701.76 20.19 35.764  3,800.00 3,564.61 3,747.38 3,646.74 23.14 15.70 -144.91 278.36 -594.36 748.81 727.81 21.00 35.658 3,900.00 3,654.18 3,843.85 3,738.39 24.03 16.31 -144.67 292.29 -620.35 775.70 753.88 21.82 35.555 4,000.00 3,743.75 3,939.93 3,830.03 24.92 16.92 -144.45 306.22 -646.34 802.59 779.95 22.64 35.455 4,000.00 3,833.32 4,033.20 3,918.89 25.80 17.45 -144.27 319.63 -671.34 829.57 806.19 23.38 35.487 4,200.00 3,922.89 4,122.45 4,004.43 26.69 17.87 -144.22 331.65 -893.78 867.21 833.27 23.95 35.795  4,300.00 4,012.47 4,211.27 4,090.13 27.58 18.27 -144.30 342.68 -714.35 885.64 861.20 24.44 36.226 4,400.00 4,102.04 4,300.00 4,176.25 28.47 18.64 -144.51 352.76 -733.14 914.84 890.00 24.84 36.826 4,500.00 4,191.61 4,387.24 4,261.40 29.36 18.98 7144.82 361.74 -749.89 944.84 919.68 25.16 37.553 4,600.00 4,281.18 4,474.23 4,346.70 30.25 19.28 -145.23 369.77 -764.88 975.66 950.27 25.39 38.423	200.00	571.66 16.19 36.314	38.42	6	194.76	-146.76	12.09	17.84	3,096.87	3,169.75	3,027.18	3,200.00
3,400.00 3,296.32 3,362.29 3,280.16 19.60 13.29 -146.04 222.63 -490.40 641.43 623.66 17.77 36.094 3,500.00 3,295.89 3,456.56 3,371.81 20.49 13.89 -145.72 236.56 -516.39 668.25 649.68 18.57 35.983 3,600.00 3,385.47 3,554.84 3,463.45 21.37 14.49 -145.43 250.49 -542.38 695.09 675.71 19.38 35.873 3,700.00 3,475.04 3,651.11 3,555.10 22.26 15.10 -145.16 264.43 -568.37 721.95 701.76 20.19 35.764  3,800.00 3,664.61 3,747.38 3,646.74 23.14 15.70 -144.91 278.36 -594.36 748.81 727.81 21.00 35.658 3,900.00 3,654.18 3,845.95 3,738.39 24.03 16.91 -144.67 292.29 620.35 775.70 753.88 21.82 35.555 4,000.00 3,743.75 3,939.93 3,830.03 24.92 16.92 -144.45 306.22 -646.34 802.59 779.95 22.64 35.455 4,100.00 3,833.32 4,033.20 3,918.89 25.80 17.45 -144.27 319.63 671.34 829.57 806.19 23.38 35.487 4,200.00 3,922.89 4,122.45 4,004.43 26.69 17.87 -144.22 331.65 693.78 867.21 833.27 23.95 35.795  4,300.00 4,012.47 4,211.27 4,090.13 27.58 18.27 -144.30 342.68 -714.35 885.64 861.20 24.44 36.226 4,400.00 4,102.04 4,300.00 4,176.25 28.47 18.64 -144.51 352.76 -733.14 914.84 890.00 24.84 36.826 4,500.00 4,191.61 4,387.24 4,261.40 29.36 18.98 -144.82 361.74 -749.89 944.84 919.68 25.16 37.553 4,600.00 4,281.18 4,474.23 4,346.70 30.25 19.28 -145.23 369.77 -764.88 975.66 950.27 25.39 38.423	300.00	597.65 16.98 36.205	64.41	0	208.70	-146.38	12.68	18.72	3,188.52	3,266.02	3,116.75	3,300.00
3,500.00 3,295.89 3,458.56 3,371.81 20.49 13.89 -145.72 236.56 -516.39 668.25 649.68 18.57 35.983 3,600.00 3,3854.7 3,554.84 3,468.45 21.37 14.49 -145.43 250.49 -542.38 695.09 675.71 19.38 35.873 3,700.00 3,475.04 3,651.11 3,555.10 22.26 15.10 -145.16 264.43 -568.37 721.95 701.76 20.19 35.764 3,800.00 3,564.61 3,747.38 3,846.74 23.14 15.70 -144.91 278.36 -594.36 748.81 727.81 21.00 35.658 3,900.00 3,654.18 3,848.85 3,738.39 24.03 16.31 -144.67 292.29 -620.35 775.70 753.88 21.82 35.555 4,000.00 3,743.75 3,939.93 3,830.03 24.92 16.92 -144.45 306.22 -646.34 802.59 779.95 22.64 35.455 4,100.00 3,833.32 4,033.20 3,918.89 25.60 17.45 -144.27 319.63 -671.34 829.57 806.19 23.38 35.487 4,200.00 3,922.89 4,122.45 4,004.43 26.69 17.87 -144.22 331.65 -698.78 867.21 833.27 23.95 35.795 4,000.00 4,012.47 4,211.27 4,090.13 27.58 18.27 -144.30 342.68 -714.35 885.64 861.20 24.44 36.242 4,400.00 4,102.04 4,300.00 4,176.25 28.47 18.64 -144.51 352.76 -733.14 914.84 890.00 24.84 36.826 4,500.00 4,191.61 4,387.24 4,261.40 29.36 18.98 7144.82 361.74 749.89 944.84 919.68 25.16 37.553 4,600.00 4,281.18 4,474.23 4,346.70 30.25 19.28 -145.23 369.77 -764.88 975.66 950.27 25.39 38.423	400.00						13.29	19.60	3,280.16	3,362.29	3,206.32	3,400.00
3,700.00 3,475.04 3,651.11 3,555.10 22.26 15.10 -145.16 264.43 -568.37 721.95 701.76 20.19 35.764  3,800.00 3,564.61 3,747.38 3,846.74 23.14 15.70 -144.91 278.36 -594.86 748.81 727.81 21.00 35.658 3,900.00 3,654.18 3,843.65 3,738.39 24.03 16.31 -144.67 292.29 -620.35 775.70 753.88 21.82 35.555 4,000.00 3,743.75 3,899.93 3,830.03 24.92 16.92 -144.45 306.22 -646.34 802.59 779.96 22.64 35.455 4,100.00 3,833.32 4,033.20 3,918.89 25.80 17.45 -144.27 319.63 -671.34 829.57 806.19 23.38 35.487 4,200.00 3,922.89 4,122.45 4,004.43 26.69 17.87 -144.22 331.65 -693.78 867.21 833.27 23.95 35.795 4,300.00 4,012.47 4,211.27 4,090.13 27.58 18.27 -144.30 342.68 -714.35 885.64 861.20 24.44 36.242 4,400.00 4,102.04 4,300.00 4,178.25 28.47 18.64 -144.51 352.76 -733.14 914.84 890.00 24.84 36.826 4,500.00 4,191.61 4,387.24 4,281.40 29.36 18.98 -144.82 361.74 -749.89 944.84 919.68 25.16 37.553 4,600.00 4,281.18 4,474.23 4,346.70 30.25 19.28 -145.23 369.77 -764.88 975.66 950.27 25.39 38.423			16.39	6	236.56	-145.72	13.89	20.49	3,371.81	3,458.56	3,295.89	-
3,800.00 3,564.61 3,747.38 3,646.74 23.14 15.70 -144.91 278.36 -594.36 748.81 727.81 21.00 35.658 3,900.00 3,654.18 3,843.65 3,738.39 24.03 16.31 -144.67 299.29 -620.35 775.70 753.88 21.82 35.555 4,000.00 3,743.75 3,939.93 3,830.03 24.92 16.92 -144.45 306.22 -646.34 802.59 779.95 22.64 35.455 4,100.00 3,833.32 4,033.20 3,918.89 25.80 17.45 -144.27 319.63 -671.34 829.57 806.19 23.38 35.487 4,200.00 3,922.89 4,122.45 4,004.43 26.69 17.87 -144.22 331.65 -693.78 857.21 833.27 23.95 35.785 4,000.00 4,012.47 4,211.27 4,090.13 27.58 18.27 -144.30 342.68 -714.35 885.64 861.20 24.44 36.242 4,400.00 4,102.04 4,300.00 4,176.25 28.47 18.64 -144.51 352.76 -733.14 914.84 890.00 24.84 36.826 4,500.00 4,191.61 4,387.24 4,281.40 29.36 18.98 -144.82 361.74 -749.89 944.84 919.68 25.16 37.553 4,600.00 4,281.18 4,474.23 4,346.70 30.25 19.28 -145.23 369.77 -764.88 975.66 950.27 25.39 38.423		675.71 19.38 35.873	42.38	9	250.49	-145.43						
3,900.00 3,654.18 3,843.65 3,738.39 24.03 16.31 -144.67 292.29 620.35 775.70 753.88 21.82 35.555 4,000.00 3,743.75 3,939.93 3,830.03 24.92 16.92 -144.45 306.22 646.34 802.59 779.95 22.84 35.455 4,100.00 3,833.32 4,033.20 3,918.89 25.80 17.45 -144.27 319.63 671.34 829.57 806.19 23.38 35.487 4,200.00 3,922.89 4,122.45 4,004.43 26.69 17.87 -144.22 331.65 693.78 857.21 833.27 23.95 35.795 4,000.00 4,012.47 4,211.27 4,090.13 27.58 16.27 -144.30 342.68 -714.35 885.64 861.20 24.44 36.242 4,400.00 4,102.04 4,300.00 4,176.25 28.47 18.64 -144.51 352.76 -733.14 914.84 890.00 24.84 36.826 4,500.00 4,191.61 4,387.24 4,261.40 29.36 18.98 -144.82 361.74 -749.89 944.84 919.68 25.16 37.553 4,600.00 4,281.18 4,474.23 4,346.70 30.25 19.28 -145.23 369.77 -764.88 975.66 950.27 25.39 38.423	700.00	701.76 20.19 35.764	68.37	3	264.43	-145.16	15.10	22,26	3,555.10	3,651.11	3,475,04	3,700.00
3,900.00 3,654.18 3,843.65 3,738.39 24.03 16.31 -144.67 292.29 -620.35 775.70 753.88 21.82 35.555 4,000.00 3,743.75 3,939.93 3,830.03 24.92 16.92 -144.45 306.22 -646.34 802.59 779.95 22.64 35.455 4,100.00 3,833.32 4,033.20 3,918.89 25.80 17.45 -144.27 319.63 -671.34 829.57 806.19 23.38 35.487 4,200.00 3,922.89 4,122.45 4,004.43 26.69 17.87 -144.22 331.65 -693.78 867.21 833.27 23.95 35.795 4,300.00 4,012.47 4,211.27 4,090.13 27.58 18.27 -144.30 342.68 -714.35 885.64 861.20 24.44 36.242 4,400.00 4,102.04 4,300.00 4,176.25 28.47 18.64 -144.51 352.76 -733.14 914.84 890.00 24.84 36.826 4,500.00 4,191.61 4,387.24 4,261.40 29.36 18.98 -144.82 361.74 -749.89 944.84 919.68 25.16 37.553 4,600.00 4,281.18 4,474.23 4,346.70 30.25 19.28 -145.23 369.77 -764.88 975.66 950.27 25.39 38.423	800.00	727.81 21.00 35.658	94.36	6	278.3f	-144.91	15.70	23.14	3,646.74	3,747.38	3,564.61	3,800.00
4,000.00       3,743.75       3,939.93       3,830.03       24.92       16.92       -144.45       306.22       -846.34       802.59       779.95       22.64       35.455         4,100.00       3,833.32       4,033.20       3,918.89       25.80       17.45       -144.27       319.63       -671.34       829.57       806.19       23.38       35.487         4,200.00       3,922.89       4,122.45       4,004.43       26.69       17.87       -144.22       331.65       -693.78       857.21       833.27       23.95       35.795         4,300.00       4,012.47       4,211.27       4,090.13       27.58       18.27       -144.30       342.68       -714.35       885.64       861.20       24.44       36.242         4,400.00       4,102.04       4,300.00       4,176.25       28.47       18.64       -144.51       352.76       -733.14       914.84       990.00       24.84       36.826         4,500.00       4,191.61       4,387.24       4,261.40       29.36       18.98       -144.82       361.74       -749.89       944.84       919.68       25.16       37.553         4,600.00       4,281.18       4,474.23       4,346.70       30.25       19.28       -145.	900.00											3,900.00
4,100.00       3,833.32       4,033.20       3,918.89       25.80       17.45       -144.27       319.63       -671.34       829.57       806.19       23.38       35.487         4,200.00       3,922.89       4,122.45       4,004.43       26.69       17.87       -144.22       331.65       -693.78       867.21       833.27       23.95       35.795         4,300.00       4,012.47       4,211.27       4,090.13       27.58       18.27       -144.30       342.68       -714.35       885.64       861.20       24.44       36.242         4,400.00       4,102.04       4,300.00       4,176.25       28.47       18.64       -144.51       352.76       -733.14       914.84       890.00       24.84       36.826         4,500.00       4,191.61       4,387.24       4,261.40       29.36       18.98       -144.82       361.74       -749.89       944.84       919.68       25.16       37.553         4,600.00       4,281.18       4,474.23       4,346.70       30.25       19.28       -145.23       369.77       -764.88       975.66       950.27       25.39       38.423	00.00											4,000.00
4,200.00     3,922.89     4,122.45     4,004.43     26.69     17.87     -144.22     331.65     -693.78     867.21     833.27     23.95     35.795       4,300.00     4,012.47     4,211.27     4,090.13     27.58     18.27     -144.30     342.68     -714.35     885.64     861.20     24.44     36.242       4,400.00     4,102.04     4,300.00     4,176.25     28.47     18.64     -144.51     352.76     -733.14     914.84     890.00     24.84     36.826       4,500.00     4,191.61     4,387.24     4,261.40     29.36     18.98     -714.82     361.74     -749.89     944.84     919.68     25.16     37.553       4,600.00     4,281.18     4,474.23     4,346.70     30.25     19.28     -145.23     369.77     -764.88     975.66     950.27     25.39     38.423	100.00						17.45	25.80	3,918.89	4,033.20	3,833,32	4,100.00
4,400.00     4,102.04     4,300.00     4,176.25     28.47     18.64     -144.51     352.76     -733.14     914.84     890.00     24.84     36.826       4,500.00     4,191.61     4,387.24     4,261.40     29.36     18.98     -144.82     361.74     -749.89     944.84     919.68     25.16     37.553       4,600.00     4,281.18     4,474.23     4,346.70     30.25     19.28     -145.23     369.77     -764.88     975.66     950.27     25.39     38.423	200.00		93.78	5	331.65	-144.22	17.87	26.69	4,004.43	4,122.45	3,922.89	4,200.00
4,400.00       4,102.04       4,300.00       4,176.25       28.47       18.64       -144.51       352.76       -733.14       914.84       890.00       24.84       36.826         4,500.00       4,191.61       4,387.24       4,261.40       29.36       18.98       -144.82       361.74       -749.89       944.84       919.68       25.16       37.553         4,600.00       4,281.18       4,474.23       4,346.70       30.25       19.28       -145.23       369.77       -764.88       975.66       950.27       25.39       38.423	300.00	861 20 24 44 36 242	14.35	В	342 65	-144 30	18.27	27.58	4.090.13	4,211.27	4,012.47	4,300.00
4,500.00     4,191.61     4,387.24     4,261.40     29.36     18.98     -144.82     361.74     -749.89     944.84     919.68     25.16     37.553       4,600.00     4,281.18     4,474.23     4,346.70     30.25     19.28     -145.23     369.77     -764.88     975.66     950.27     25.39     38.423												
4,600.00 4,281.18 4,474.23 4,346.70 30.25 19.28 -145.23 369.77 -764.88 975.66 950.27 25.39 38.423												
	700.00										4,370.75	4,700.00
4,800.00 4,460.32 4,645.77 4,515.96 32.03 19.81 -146.27 382.93 -789.42 1,039.87 1,014.28 25.60 40.627	900 00					446.5=	40.01	00.00	4 245 00	4045	4 460 00	4 900 00



Anticollision Report

Company:

BILL BARRETT CORP

Project: Reference Site: CARBON COUNTY, UT (NAD 27)

Site Error:

0.00ft

SECTION 26 T12S R16E

Reference Well:

0.0011

PETERS POINT UF 12-26D-12-16

Well Error: Reference Wellbore 0.00ft

Reference Wellbore PT PT 12-26-12-16

Reference Design:

Design #1

Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference: Well PETERS POINT UF 12-26D-12-16 WELL @ 7177.00ft (Original Well Elev)

WELL @ 7177.00ft (Original Well Elev)

True

Survey Calculation Method: Minimum Curvature

Output errors are at

2.00 sigma

Database:

Compass

Offset TVD Reference:

Offset De Burvey Prog	ram: 0-M	WD		3 K 10E - 1	EIERO	POINT OF T	3-26D-12-16 -	PI PI 13-3	26-12-16 -	Design #1			Offset Site Error: Offset Well Error:	0.001
Refer	ence	Offs	et	Semi Major	Axis				Dist	ance			Onact Hell Eller.	0.00
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbon	e Centre +E/4W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(*)	(ft)	(ft)	(ft)	(ft)	(ft)			
4,900.00	4,549.89	4,730.19	4,599.67	32.92	20.04	-146.89	388.08	-799.02	1,073.34	1,047.77	25.57	41.985		
5,000.00	4,639.47	4,813.62	4,682.61	33.81	20.24	-147.57	392.30	-806.91	1,107.76	1,082.32	25.45	43,535		
5,007.28	4,645.98	4,819.65	4,688.61	33.87	20.25	-147.62	392.58	-807.42	1,110.30	1,084.87	25.43	43.656		
5,100.00	4,729.85	4,900.00	4,768.68	34.59	20.42	-148.70	395.78	-813.40	1,141.69	1,116.63	25.05	45,575		
5,200.00	4,822.01	4,979.97	4,848.49	35.22	20.55	-149.72	398.18	-817.87	1,173.10	1,148.59	24.50	47.874		
5,300.00	4,915.77	5,063.63	4,932.07	35.78	20.68	-150.66	399.84	-820.97	1,201.95	1,178.08	23.87	50.361		
5,400.00	5,010.96	5,147.55	5,015.97	36.29	20.78	-151.52	400.64	-822.46	1,228.19	1,203.02	25.17	48.798		
5,500.00	5,107.39	5,238.97	5,107.39	36.73	20.89	-152.34	400.72	-822.61	1,251.62	1,210.10	41.52	30.147		
5,600.00	5,204.89	5,336,46	5,204.89	37.11	21.00	-153.03	400.72	-822.61	1,271.45	1,229.82	41.63	30.540		
5,700.00	5,303.26	5,434.84	5,303.26	37.43	21.11	-153.57	400.72	-822.61	1,287.53	1,245.79	41.74	30.849		
5,800.00	5,402.32	5,533.90	5,402.32	37.68	21.23	-153.98	400.72	-822.61	1,299.77	1,257.95	41.82	31.078		
5,900.00	5,501.88	5,633.45	5,501.88	37.87	21.35	-154.25	400,72	-822.61	1,308,14	1,266,25	41.89	31.227		
6,000.00	5,601.75	5,733.32	5,601.75	38.00	21.47	-154.39	400.72	-822.61	1,312.59	1,270.65	41.94	31.296		
6,063.26	5,665.00	5,796.58	5,665.00	38.05	21.55	179.87	400.72	-822.61	1,313.38	1,271.63	41.74	31.464		
6,100.00	5,701.74	5,833.32	5,701.74	38.08	21.60	179.87	400.72	-822.61	1,313.38	1,271.54	41.83	31.396		
6,200.00	5,801.74	5,933.32	5,801.74	38.14	21.72	179.87	400.72	-822.61	1,313.38	1,271.29	42.09	31.204		
6,300.00	5,901.74	6,033.32	5,901.74	38.21	21.85	179.87	400.72	-822.61	1,313.38	1,271.03	42.35	31.013		
6,400.00	6,001.74	6,133.32	6,001.74	38.29	21.98	179.87	400.72	-822.61	1,313.38	1,270.76	42.61	30.821		
6,500.00	6,101.74	6,233.32	6,101.74	38.36	22.11	179.87	400.72	-822.61	1,313.38	1,270.50	42.88	30.630		
6,600.00	6,201.74	6,333.32	6,201.74	38.43	22.24	179.87	400.72	-822,61	1,313.38	1,270.23	43.15	30.438		
6,700.00	6,301.74	6,433.32	6,301.74	38.51	22.37	179.87	400.72	-822.61	1,313.38	1,269.96	43.42	30.247		
6,800.00	6,401.74	6,533.32	6,401.74	38.58	22.51	179.87	400.72	-822.61	1,313.38	1,269.68	43.70	30.057		
6,900.00	6,501.74	6,633.32	6,501.74	38.66	22.65	179.87	400.72	-822,61	1,313.38	1,269.40	43.97	29.867		
7,000.00	6,601.74	6,733.32	6,601.74	38.74	22.78	179.87	400.72	-822.61	1,313.38	1,269.12	44.26	29.677		
7,100.00	6,701.74	6,833.32	6,701.74	38.82	22.92	179.87	400.72	-822.61	1,313.38	1,268.84	44.54	29.488		
7,200.00	6,801.74	6,933.32	6,801.74	38.90	23.06	179.87	400.72	-822.61	1,313.38	1,268.55	44.83	29.300		
7,300.00	6,901.74	7,033.32	6,901.74	38.98	23.20	179.87	400.72	-822.61	1,313,38	1,268.26	45.11	29.112		
7,400.00	7,001.74	7,133.32	7,001.74	39.06	23.35	179.87	400.72	-822.61	1,313.38	1,267.97	45.41	28.925		
7,500.00	7,101.74	7,233.32	7,101.74	39.15	23.49	179.87	400.72	-822.61	1,313.38	1,267.68	45.70	28,739		
7,600.00	7,201.74	7,333.32	7,201.74	39.23	23.64	179.87	400.72	-822.61	1,313,38	1,267.38	46.00	28.554		
7,700.00	7,301.74	7,433.32	7,301.74	39.32	23.78	179.87	400.72	-822.61	1,313.38	1,267.08	46.30	28,369		
7,800.00	7,401.74	7,533.32	7,401.74	39.40	23,93	179.87	400.72	-822.61	1,313.38	1,266.78	46.60	28.186		
7,900.00	7,501.74	7,633,32	7,501.74	39.49	24.08	179.87	400.72	-822.61	1,313.38	1,266.48	46.90	28.003		
7,900.13	7,501.87	7,633.45	7,501.87	39.49	24.08	179.87	400.72	-822.61	1,313.38	1,266.48	46.90	28.003		
7,908.26	7,510.00	7,640.58	7,509.00	39.50	24.09	179.87	400.72	-822.61	1,313.38	1,266.45	46.92	27.989		



Anticollision Report

Company: BILL BARRETT CORP

Project: CARBON COUNTY, UT (NAD 27) Reference Site: SECTION 26 T12S R16E

Site Error:

0.00ft

PETERS POINT UF 12-26D-12-16

Reference Well: Well Error:

Reference Wellbore

0.00ft

PT PT 12-26-12-16

Reference Design:

Design #1

Local Co-ordinate Reference:

**TVD Reference:** 

**MD** Reference:

North Reference:

Survey Calculation Method:

Output errors are at

Database:

Offset TVD Reference:

Well PETERS POINT UF 12-26D-12-16

WELL @ 7177.00ft (Original Well Elev)

WELL @ 7177.00ft (Original Well Elev)

True

Minimum Curvature

2.00 sigma Compass

iffset De arvey Prop				l		. 5 01 1	5-26D-12-16 -	. 1 1 10%		CoalAii #	•		Offset Site Error: Offset Well Error:	0.001
Refe	rence Vertical	Offs Measured	et Vertical	Semi Major Reference	Axis	Highside	Offset Wellbo	ra Cantra	Dist Between	ance Between	Minimum	Separation		0.00
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor	Warning	
0.00	0.00	0,00	0.00	0.00	0.00	165.12	-61.73	16.41	63.87					
100.00	100.00	100.00	100.00	0.10	0.10	165.12	-61.73	16.41	63.87	63.68	0.19	334.330		
200.00	200.00	200.00	200.00	0.32	0.32	165.12	-61.73	16.41	63.87	63.23	0.64	99.713		
250,00	250.00	250.00	250.00	0.43	0.43	165.12	-61.73	16.41	63.87	63.01	0.87	73.813 CC,	ES	
300.00	300.00	299.96	299.96	0.54	0.54	-169.62	-61.63	16.83	64.32	63.23	1.09	59.192		
400.00	399.93	399.66	399.59	0.77	0.76	-173.07	-60.83	20.21	68.00	66.46	1.54	44.282		
500.00	499.68	498.70	498.39	1.01	0.99	-178.88	-59.25	26.90	75.98	73.97	2.01	37.858		
600.00	599.30	597.77	597.08	1.26	1.24	175.37	-57.26	35.31	86.83	84.36	2.48	35.036		
700.00	698.92	696,85	695.78	1.52	1.50	170.93	-55.27	43.71	98,36	95.41	2.95	33.295		
800.00	798.54	795,92	794.48	1.79	1.76	167.44	-53.28	52.11	110.35	106.91	3.43	32.139		
900.00	898.16	895.00	893.18	2.05	2.03	164.63	-51.30	60.52	122.66	118.75	3.92	31.331		
1,000.00	997.78	994.08	991.88	2.32	2.29	162.34	-49.31	68.92	135.21	130.82	4.40	30.742		
1,062.46	1,060.00	1,055.96	1,053.53	2.49	2.46	161.11	-48.07	74.17	143.15	138.45	4.70	30.450		
1,100.00	1,097.37	1,092.11	1,089.52	2,59	2.56	160.39	-47.30	77.42	148.34	143.45	4.88	30.380 SF		
1,200.00 1,300.00	1,196.58 1,295.14	1,186.73 1,279.28	1,183.44 1,274.78	2.90 3.24	2.85 3.17	158,22 155.93	-44.67 -41.24	88.52 103.02	166.55 191.17	161.17 185.26	5.38 5.91	30.939 32.347		
1,400.00	1,392.88	1,369,25	1,362.93	3.64	3.52	153.71	-37.10	120.54	222.10	215.63	6.46	34.360		
1,500.00	1,489.61	1,456.19	1,447.37	4.10	3,91	151.67	-32.34	140.66	259.12	252.08	7.05	36.773		
1,600.00	1,585.13	1,539,74	1,527.72	4.62	4.33	149.83	-27.07	162.91	301.99	294.33	7.66	39.429		
1,700.00	1,679.28	1,619.59	1,603.69	5.22	4.77	148.14	-21.41	186,83	350.38	342.07	8.31	42.173		
1,800.00	1,771.87	1,700.00	1,679.28	5,89	<b>5.2</b> 7	146.54	-15.10	213.51	403.99	394.98	9.01	44.841		
1,900.00	1,862.72	1,767.42	1,741.88	6.65	5,74	145.09	-9.34	237.85	462.40	452.68	9.72	47.569		
1,918.44	1,879.27	1,780.23	1,753.69	6.79	5.83	144.82	-8.20	242.68	473.67	463.82	9.86	48.052		
2,000.00	1,952.32	1,835.78	1,804.58	7.46	6.25	144.50	-3.08	264.36	524.42	513.88	10.54	49.750		
2,100.00	2,041.89	1,900.00	1,862.72	8.29	6.76	144.03	3.20	290.90	588.08	576.69	11.39	51,634		
2,200,00	2,131.46	1,972.01	1,927.12	9.14	7.38	143.45	10.62	322.24	653.07	640.75	12.32	53.020		
-2,300.00	2,221.04	2,047.68	1,994.69	9.99	8.05	142.94	18.46	355.40	718.26	704.99	13.27	54.115		
2,400.00	2,310.61	2,123.36	2,062.27	10.85	8.72	142.50	26,31	388.55	783.49	769.25	14.24	55.018		
2,500.00	2,400.18	2,199.04	2,129.85	11.71	9.41	142.14	34.15	421.71	848.73	833.51	15.22	55.765		
2,600.00	2,489.75	2,274.72	2,197.42	12.58	10.10	141.82	41.99	454.86	914.00	897.79	16.21	56,383		
2,700.00	2,579.32	2,350.40	2,265.00	13.45	10.79	141.55	49.83	488.02	979.27	962.06	17.21	56.905		
2,800.00	2,668.89	2,426.08	2,332.57	14.32	11.49	141.31	57.68	521.17	1,044.56	1,026.35	18.21	57.351		
2,900.00	2,758.46	2,501.76	2,400.15	15.20	12.19	141.10	65.52	554.33	1,109.86	1,090.63	19.22	57.733		
3,000.00	2,848.04	2,577.44	2,467.73	16.08	12.89	140,91	73.36	587.48	1,175.16	1,154.92	20.24	58.061		
3,100.00	2,937.61	2,653.12	2,535,30	16.96	13.60	140.74	81.21	620.64	1,240.47	1,219.21	21.26	58.348		
3,200.00	3,027.18	2,728.80	2,602.88	17.84	14.31	140,59	89.05	653.79	1,305.79	1,283.51	22.28	58,598		
3,300.00	3,116.75	2,804.48	2,670.46	18.72	15.01	140.46	96.89	686.95	1,371.11	1,347.80	23.31	58,819		
3,400.00	3,206.32	2,880.15	2,738.03	19.60	15.72	140.33	104.74	720.10	1,436.44	1,412.10	24.34	59.014		
3,500.00	3,295.89	2,955.83	2,805.61	20.49	16.44	140.22	112.58	753.26	1,501.76	1,476.39	25.37	59.188		
3,600.00 3,700.00	3,385.47 3,475.04	3,031.51 3,107.19	2,873.18 2,940.76	21.37 22.26	17.15 17,86	140.12 140.02	120.42 128.27	786.41 819.57	1,567.10 1,632.43	1,540.69 1,604.99	26.41 27.44	59.343 59.482		
3,800.00	3,564.61	3,182.87	3,008.34	23.14	18.58	139.93	136.11	852.73	1,697.77	1,669.29	28.48	59.607		
3,900.00	3,654.18	3,258.55	3,075.91	24.03	19.29	139.85	143,95	885.88	1,763.11	1,733.58	29.52	59.720		
4,000.00	3,743.75	3,334.23	3,143.49	24.92	20.01	139.78	151.80	919.04	1,828.45	1,797.88	30.56	59.823		
4,100.00	3,833.32	3,409.91	3,211.07	25.80	20.73	139.70	159.64	952.19	1,893.79	1,862.18	31.61	59.917		
4,200.00	3,922.89	3,485.59	3,278.64	26.69	21.44	139.64	167.48	985.35	1,959.13	1,926.48	32.65	60.002		
4,300.00	4,012.47	3,561.27	3,346.22	27.58	22.16	139.58	175.33	1,018.50	2,024.48	1,990.78	33.70	60,080		
4,400.00	4,102.04	3,636.95	3,413.79	28.47	22.88	139.52	183.17	1,051,66	2,089.83	2,055.08	34.74	60.151		
4,500.00	4,191.61	3,712.62	3,481.37	29.36	23.60	139.47	191.01	1,084.81	2,155.18	2,119.39	35.79	60.217		
4,600.00	4,281.18	3,788.30	3,548.95	30.25	24.32	139.41	198.85	1,117.97	2,220.52	2,183.69	36.84	60.278		
4,700.00	4,370.75	3,863.98	3,616.52	31.14	25.04	139.37	206.70	1,151.12	2,285,87	2,247.99	37.89	60.334		
4,800.00	4,460.32	3,939.66	3,684.10	32.03	25.76	139.32	214.54	1,184.28	2,351.23	2,312.29	38.94	60.386		



Anticollision Report

Company:

BILL BARRETT CORP

**SECTION 26 T12S R16E** 

Project:

CARBON COUNTY, UT (NAD 27)

Reference Site: Site Error:

0.00ft

PETERS POINT UF 12-26D-12-16 Reference Well:

Well Error: Reference Wellbore 0.00ft

PT PT 12-26-12-16

Reference Design:

Design #1

Local Co-ordinate Reference:

**TVD Reference:** 

MD Reference:

North Reference:

**Survey Calculation Method:** 

Output errors are at

Database:

Offset TVD Reference:

Well PETERS POINT UF 12-26D-12-16

WELL @ 7177.00ft (Original Well Elev)

WELL @ 7177.00ft (Original Well Elev)

Minimum Curvature

2.00 sigma

Compass

iurvey Prog Refer				Semi Major			5-26D-12-16 -		Dist				Offset Well Error:	0.00
Aeasured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbor	e Centre	Between	Between	Minimum	Separation	Warning	
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(m)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor		
4,900.00	4,549.89	4,015.34	3,751.68	32.92	26.48	139.28	222.38	1,217.43	2,416.58	2,376.59	39.99	60,434		
5,000.00	4,639.47	4,091.02	3,819.25	33.81	27.20	139.24	230.23	1,250.59	2,481.93	2,440.89	41.04	60,478		
5,007.28	4,645.98	4,096.53	3,824.17	33,87	27.25	139.23	230.80	1,253.00	2,486.68	2,445.57	41.11	60,482		
5,100.00	4,729.85	4,167.59	3,887.62	34.59	27.92	140.41	238.16	1,284.13	2,546.19	2,503.86	42.33	60.146		
5,200.00	4,822.01	4,246.12	3,957.75	35.22	28.67	141.50	246.30	1,318.54	2,607.86	2,564.28	43.58	59.845		
5,300.00	4,915.77	4,326.48	4,029.51	35.78	29.44	142.41	254.63	1,353.74	2,666.81	2,622.03	44.79	59.541		
5,400.00	5,010.96	4,408.52	4,102.76	36.29	30.22	143.16	263.13	1,389.68	2,722.98	2,677.02	45.96	59.245		
5,500.00	5,107.39	4,492.07	4,177.36	36.73	31.02	143.78	271.79	1,426.29	2,776.28	2,729.20	47.08	58,965		
5,600.00	5,204.89	4,576.98	4,253.18	37.11	31.83	144.26	280.59	1,463.48	2,826.64	2,778.50	48.15	58.709		
5,700.00	5,303.26	4,663.08	4,330.06	37.43	32.65	144.63	289.51	1,501.21	2,874.02	2,824.88	49.14	58.481		
5,800.00	5,402.32	4,750.22	4,407.87	37.68	33.48	144.90	298.54	1,539.38	2,918.38	2,868.31	50.07	58,286		
5,900.00	5,501.88	4,838.22	4,486.45	37.87	34.32	145.06	307.66	1,577.93	2,959.68	2,908.76	50.92	58,127		
6,000.00	5,601.75	5,995.32	5,601.75	38.00	39.05	142.59	367.38	1,830.36	2,977.26	2,941.99	35.27	84.419		
6,063.26	5,665.00	6,058.58	5,665.00	38.05	39.09	116.89	367.38	1,830.36	2,977.95	2,942.77	35.18	84.641		
6,100.00	5,701.74	6,095.31	5,701.74	38.08	39.11	116.89	367.38	1,830.36	2,977.95	2,942.63	35.33	84.295		
6,200.00	5,801.74	6,195.31	5,801.74	38.14	39.18	116.89	367.38	1,830.36	2,977.95	2,942.23	35.73	83.348		
6,300.00	5,901.74	6,295.31	5,901.74	38.21	39.25	116.89	367.38	1,830.36	2,977.95	2,941.83	36.13	82,431		
6,400.00	6,001.74	6,395.31	6,001.74	38.29	39.32	116.89	367.38	1,830.36	2,977.95	2,941.43	36.52	81.541		
6,500.00	6,101.74	6,495.31	6,101.74	38.36	39,40	116.89	367.38	1,830.36	2,977.95	2,941.04	36.91	80.677		
6,600.00	6,201.74	6,595.31	6,201.74	38.43	39,47	116.89	367.38	1,830.36	2,977.95	2,940.65	37.30	79.836		
6,700.00	6,301.74	6,695.31	6,301.74	38.51	39,55	116,89	367.38	1,830.36	2,977.95	2,940.27	37.69	79.017		
6,800.00	6,401.74	6,795.31	6,401.74	38.58	39,62	116.89	367.38	1,830.36	2,977.95	2,939.88	38.07	78,219		
6,900.00	6,501.74	6,895.31	6,501.74	38.66	39.70	116,89	367.38	1,830.36	2,977.95	2,939.50	38.46	77.440		
7,000.00	6,601.74	6,995.31	6,601.74	38.74	39.78	116.89	367.38	1,830.36	2,977.95	2,939.12	38.84	76,679		
7,100.00	6,701.74	7,095.31	6,701.74	38.82	39.86	116.89	367.38	1,830.36	2,977.95	2,938.74	39.22	75.934		
7,200.00	6,801.74	7,195.31	6,801.74	38.90	39.94	116.89	367.38	1,830.36	2,977.95	2,938.36	39.60	75.206		
-7,300.00	6,901.74	7,295.31	6,901.74	38.98	40.02	116.89	367.38	1,830.36	2,977.95	2,937.98	39.98	74.494		
7,400.00	7,001.74	7,395.31	7,001.74	39.06	40.10	116.89	367.38	1,830.36	2,977.95	2,937.60	40.35	73,796		
7,500.00	7,101.74	7,495.31	7,101.74	39.15	40.19	116.89	367.38	1,830.36	2,977.95	2,937.22	40.73	73.112		
7,600.00	7,201.74	7,595.31	7,201.74	39.23	40.27	116.89	367.38	1,830.36	2,977.95	2,936.85	41.11	72,441		
7,700.00	7,301.74	7,695.31	7,301.74	39.32	40.36	116.89	367.38	1,830.36	2,977.95	2,936.47	41.49	71.783		
7,800.00	7,401.74	7,795.31	7,401.74	39.40	40.45	116.89	367.38	1,830.36	2,977.95	2,936.09	41.86	71.138		
7,900.00	7,501.74	7,895.31	7,501.74	39.49	40.53	116.89	367.38	1,830.36	2,977.95	2,935,72	42.24	70.504		
7,900.63	7,502.37	7,895.94	7,502.37	39.49	40.53	116.89	367.38	1,830.36	2,977.95	2,935,71	42.24	70.500		
7,908.26	7,510.00	7,901.58	7,508,00	39.50	40.54	116.89	367.38	1,830,36	2,977.96	2,935.69	42.27	70,456		



Anticollision Report

Company:

BILL BARRETT CORP

**SECTION 26 T12S R16E** 

Project:

CARBON COUNTY, UT (NAD 27)

Reference Site:

Site Error: Reference Well:

PETERS POINT UF 12-26D-12-16

Well Error:

0.00ft

Reference Wellbore Reference Design:

PT PT 12-26-12-16

Design #1

Local Co-ordinate Reference:

**TVD Reference:** 

MD Reference:

North Reference:

Survey Calculation Method:

Output errors are at

Database:

Offset TVD Reference:

Well PETERS POINT UF 12-26D-12-16

WELL @ 7177.00ft (Original Well Elev)

WELL @ 7177.00ft (Original Well Elev)

True

Minimum Curvature

2.00 sigma

Compass

Offset Datum

Reference Depths are relative to WELL @ 7177.00ft (Original Well Elev

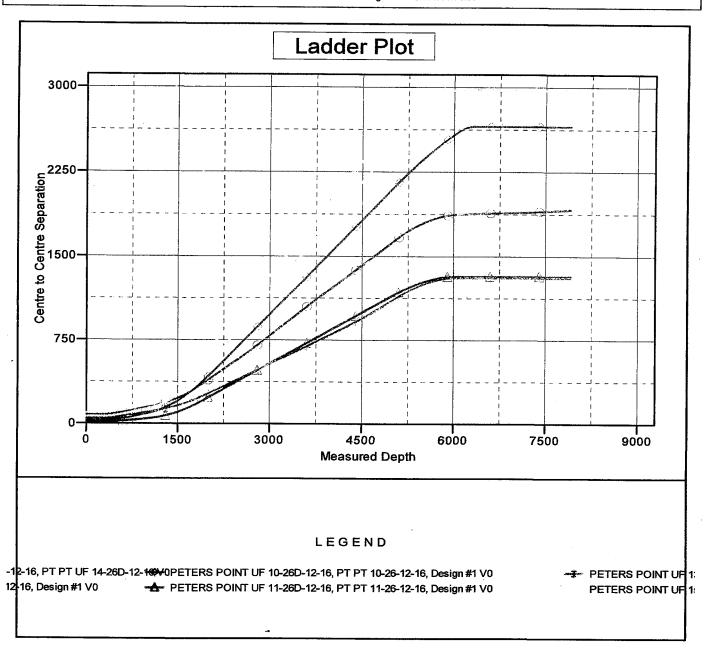
Offset Depths are relative to Offset Datum

Central Meridian is 111° 30' 0.0000 W°

Coordinates are relative to: PETERS POINT UF 12-26D-12-16

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302

Grid Convergence at Surface is: 0.90°





Anticollision Report

Company:

**BILL BARRETT CORP** 

Project:

**CARBON COUNTY, UT (NAD 27)** 

Reference Site: Site Error:

0.00ft

Reference Well:

SECTION 26 T12S R16E PETERS POINT UF 12-26D-12-16

Well Error:

0.00ft

Reference Wellbore

PT PT 12-26-12-16

Reference Design:

Design #1

Local Co-ordinate Reference:

**TVD Reference:** 

MD Reference:

North Reference:

Survey Calculation Method: Output errors are at

Database:

Offset TVD Reference:

Well PETERS POINT UF 12-26D-12-16

WELL @ 7177.00ft (Original Well Elev)

WELL @ 7177.00ft (Original Well Elev)

Minimum Curvature

2.00 sigma

Compass

Offset Datum

Reference Depths are relative to WELL @ 7177.00ft (Original Well Elev

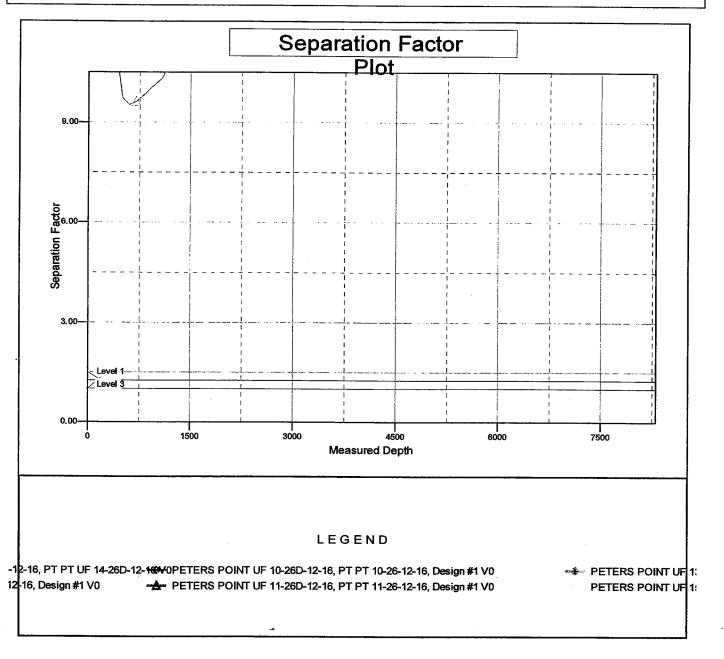
Offset Depths are relative to Offset Datum

Central Meridian is 111° 30' 0.0000 W°

Coordinates are relative to: PETERS POINT UF 12-26D-12-16

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302

Grid Convergence at Surface is: 0.90°



#### PRESSURE CONTROL EQUIPMENT - Schematic Attached

- A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:
  - 1. One (1) blind ram (above).
  - 2. One (1) pipe ram (below).
  - 3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
  - 4. 3-inch diameter choke line.
  - 5. Two (2) choke line valves (3-inch minimum).
  - 6. Kill line (2-inch minimum).
  - 7. Two (2) chokes.
  - 8. Two (2) kill line valves, one of which shall be a check valve (2-inch minimum).
  - 9. Upper kelly cock valve with handles available.
  - 10. Safety valve(s) & subs to fit all drill string connections in use.
  - 11. Pressure gauge on choke manifold.
  - 12. Fill-up line above the uppermost preventer.
- B. Pressure Rating: 3,000 psi

#### C. Testing Procedure:

#### Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

- 1. When the annular preventer is initially installed;
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

#### **Blow-Out Preventer**

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test-plug) or to 70% of the internal yieldstrength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirments of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

- 1. When the BOP is initially installed;
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

#### D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

#### E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the Onshore Oil & Gas Order Number 2.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

#### F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of Onshore Oil & Gas Order Number 2. The choke manifold will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

# BILL BARRETT CORPORATION PRICKLY PEAR UNIT FEDERAL #3-35D-12-16, #15-26D-12-16, #13-26D-12-16, #11-26D-12-16, #12-26D-12-16 & #10-26D-12-16 SECTION 26, T12S, R16E, S.L.B.&M.

PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 31.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 6.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 7.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN A EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 100' TO THE EXISTING ACCESS TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY, THEN NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.5 MILES.

PETERS POINT UNIT FEDERAL #3-35D-12-16, #15-26D-12-16, #13-26D-12-16, #11-26D-12-16. #12-26D-12-16 & #10-26D-12-16

LOCATED IN CARBON COUNTY, UTAH SECTION 26, T12S, R16E, S.L.B.&M.

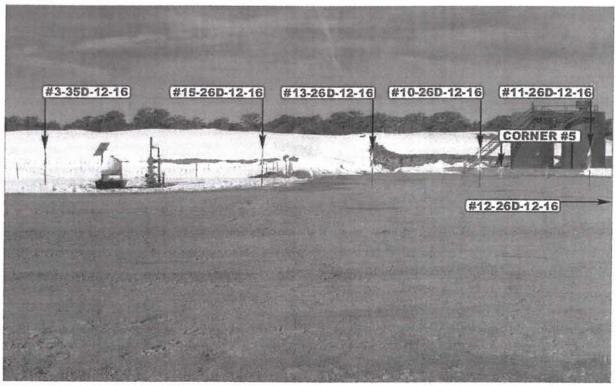


PHOTO: VIEW FROM LOCATION STAKES TO CORNER #5

**CAMERA ANGLE: SOUTHWESTERLY** 

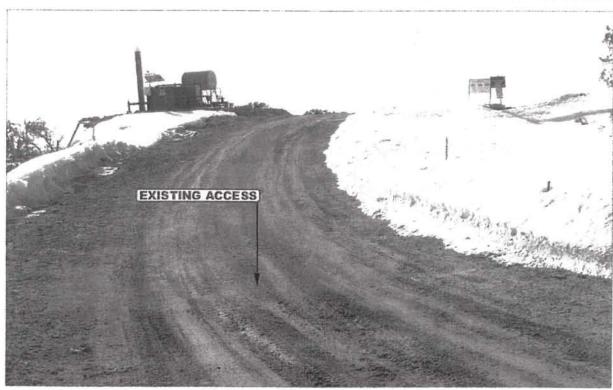


PHOTO: VIEW OF EXISTING ACCESS

CAMERAANGLE: SOUTHERLY

- Since 1964 -

Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

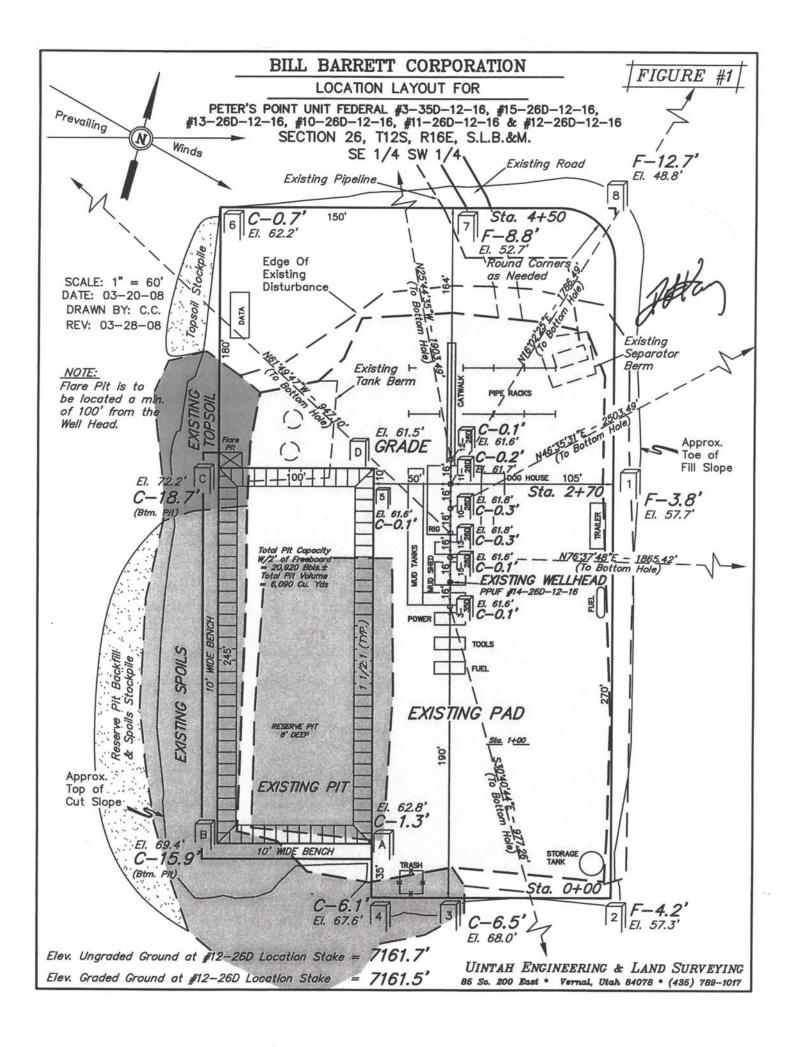
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08 YEAR

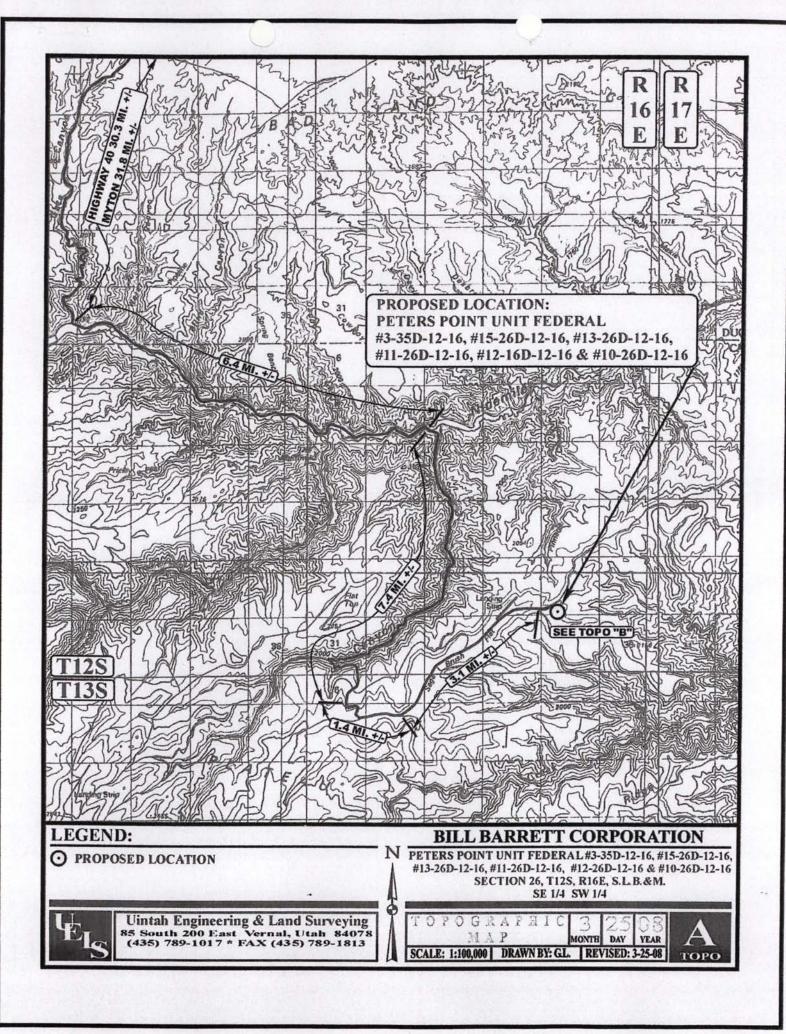
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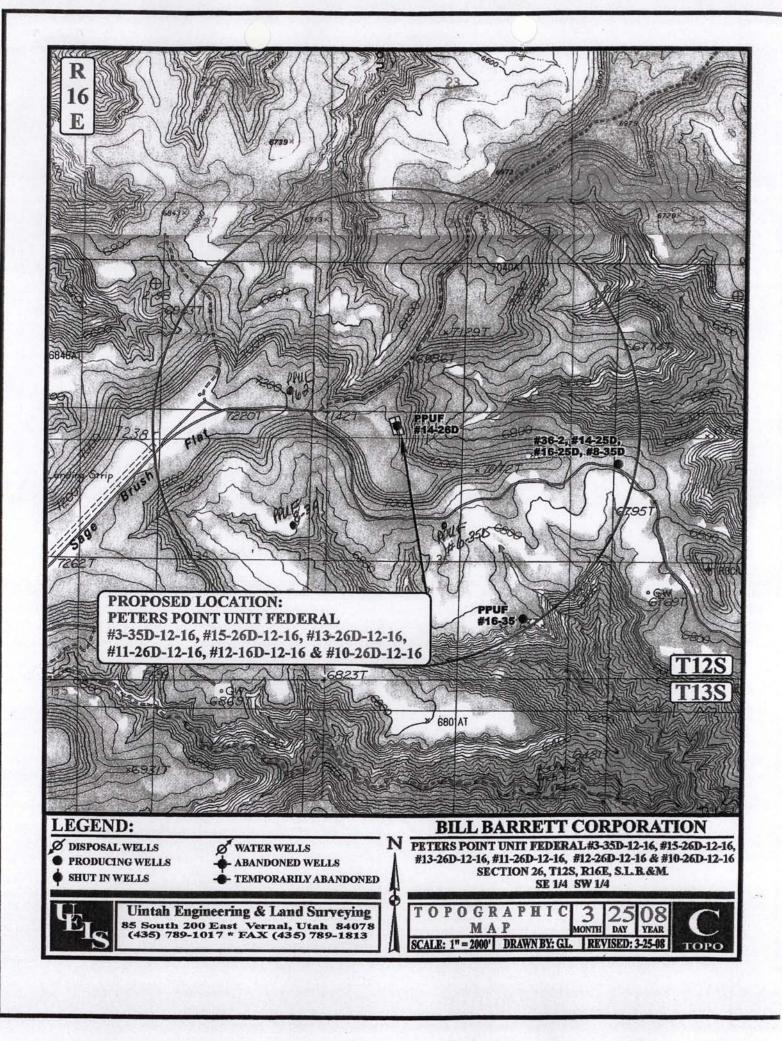
TAKEN BY: D.R. | DRAWN BY: GL.

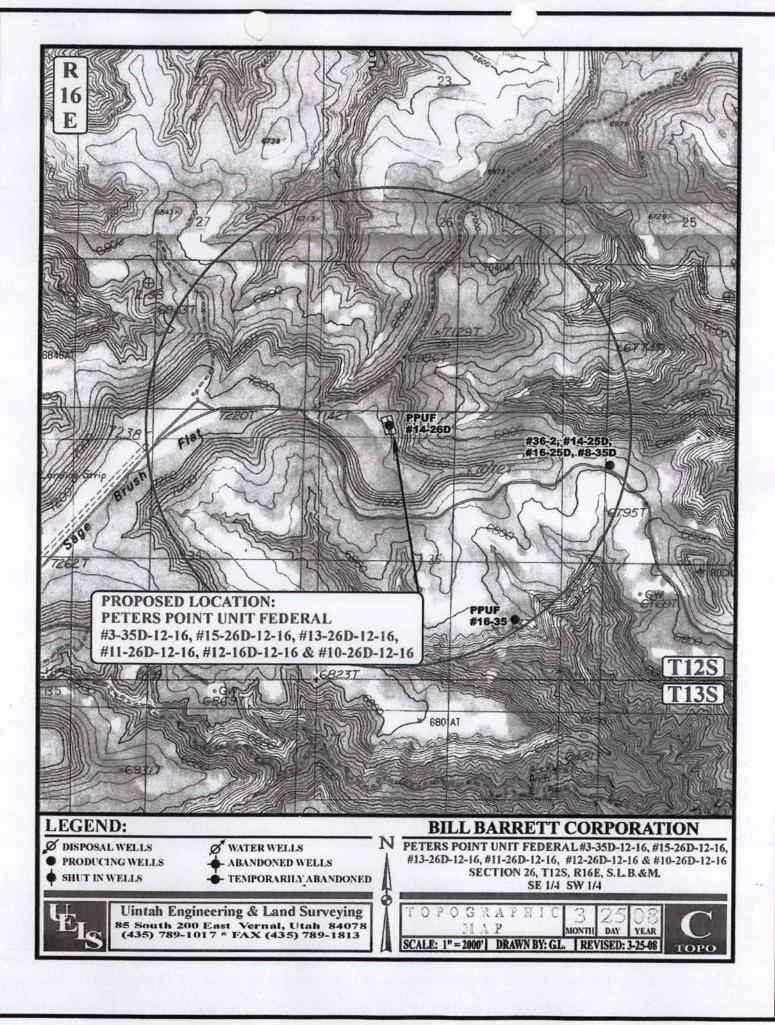
GL. REVISED: 3-25-08



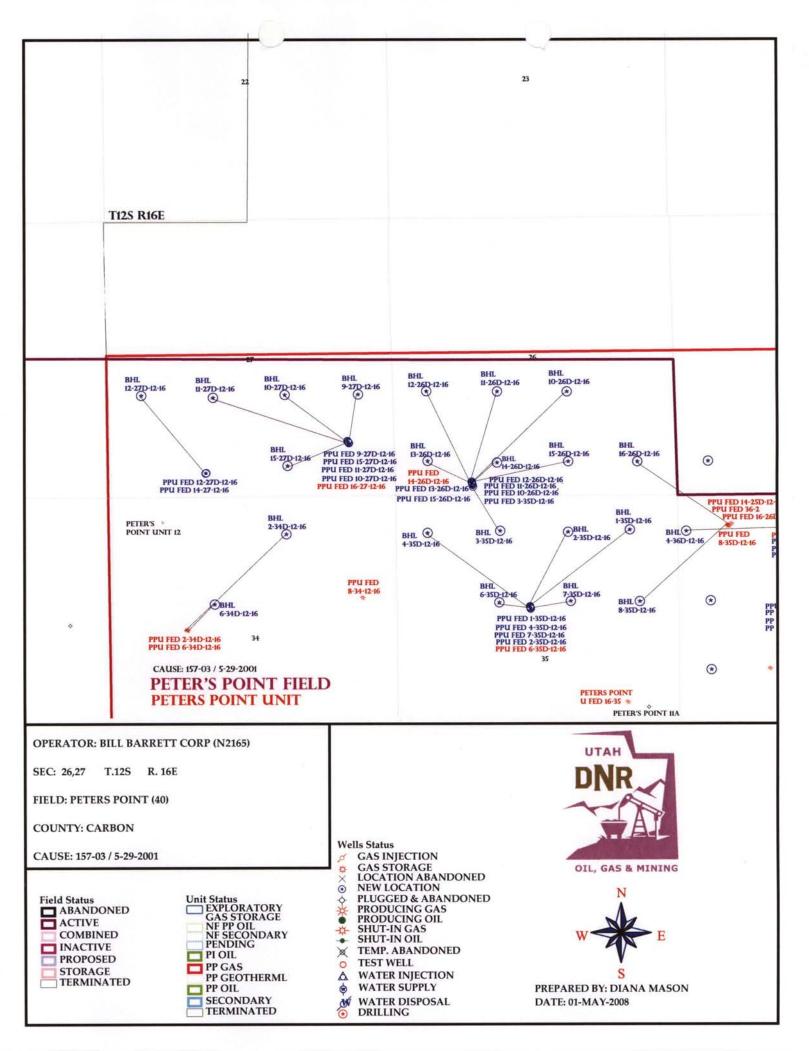
BILL BARRETT CORPORATION FIGURE TYPICAL CROSS SECTIONS FOR <u>\$</u> X-Section PETER'S POINT UNIT FEDERAL #3-35D-12-16, #15-26D-12-16, II Scale #13-26D-12-16, #10-26D-12-16, #11-26D-12-16 & #12-26D-12-16 SECTION 26, T12S, R16E, S.L.B.&M. 1" = 100' SE 1/4 SW 1/4 DATE: 03-20-08 DRAWN BY: C.C. REV: 03-28-08 150' 105' Finished Grade STA. 4+50 100' 50' 105' #12-26D LOCATION STAKE STA. 2+70 100' 50° 105 Slope= 1 1/2:1 (Typ.) STA. 1+00 50' 105' Preconstruction Grade STA. 0+00 APPROXIMATE ACREAGES EXISTING DISTURBANCE = ±2.817 ACRES \* NOTE: NEW DISTURBANCE =  $\pm 0.753$  ACRES FILL QUANTITY INCLUDES 5% FOR COMPACTION  $TOTAL = \pm 3.570 ACRES$ APPROXIMATE YARDAGES **EXCESS MATERIAL** = 5,000 Cu. Yds. (6") Topsoil Stripping *= 640* Cu. Yds. Topsoil & Pit Backfill = 3,690 Cu. Yds. (New Construction Only) (1/2 Pit Vol.) Remaining Location = 9,300 Cu. Yds. **EXCESS UNBALANCE** = 1,310Cu. Yds. TOTAL CUT CU.YDS. = 9,940 (After Interim Rehabilitation) UINTAH ENGINEERING & LAND SURVEYING FILL = 4,940 CU.YDS. 85 So. 200 East \* Vernal, Utah 84078 \* (485) 789-1017







APD RECEIVED: 04/28/2008	API NO. ASSIG	NED: 43-007	7-31408
WELL NAME: PPU FED 12-26D-12-16	····		
OPERATOR: BILL BARRETT CORP ( N2165 )	PHONE NUMBER:	303-312-813	4
CONTACT: TRACEY FALLANG			
PROPOSED LOCATION:	INSPECT LOCATN	BY: /	/
SESW 26 120S 160E	Tech Review	Initials	Date
SURFACE: 0301 FSL 1502 FWL BOTTOM: 2015 FSL 0673 FWL	Engineering		
COUNTY: CARBON			
LATITUDE: 39.73836 LONGITUDE: -110.0949	Geology		
UTM SURF EASTINGS: 577560 NORTHINGS: 43989	01 Surface		
LEASE TYPE: 1 - Federal  LEASE NUMBER: UTU-0681  SURFACE OWNER: 1 - Federal	PROPOSED FORMAT		VD
RECEIVED AND/OR REVIEWED:	LOCATION AND SITING:		
Plat	R649-2-3.		
Bond: Fed[1] Ind[] Sta[] Fee[]	Unit: PETERS POINT		
(No. <u>WYB000040</u> )	R649-3-2. Gener		
$\frac{N}{N}$ Potash (Y/N) Oil Shale 190-5 (B) or 190-3 or 190-13	Siting: 460 From Qt		etween Wells
Water Permit	R649-3-3. Excep	tion	
(No. 90-1853 )	✓ Drilling Unit		
N RDCC Review (Y/N)	Board Cause No:	152-03	
(Date:)	Eff Date:	5-29-200	1
Fee Surf Agreement (Y/N)	Siting: BHCM		
Intent to Commingle (Y/N)	R649-3-11. Dire	ctional Dri	11
STIPULATIONS:			







MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

May 5, 2008

Bill Barrett Corporation 1099 18th St., Ste. 2300 Denver, CO 80202

Re:

Peter's Point Unit Federal 12-26D-12-16 Well, Surface Location 301' FSL, 1502' FWL,

SE SW, Sec. 26, T. 12 South, R. 16 East, Bottom Location 2015' FSL, 673' FWL,

NW SW, Sec. 26, T. 12 South, R. 16 East, Carbon County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-007-31408.

Sincerely,

Gil Hunt

Associate Director

XII HA

pab Enclosures

cc:

Carbon County Assessor

Bureau of Land Management, Moab Office



Operator:	Bill Bar	Bill Barrett Corporation					
Well Name & Number	Peter's I	Point Unit Federal 12-26	D-12-16				
API Number:	43-007-	31408					
Lease:	UTU-06	581					
Surface Location: SESW	Sec. 26	<b>T.</b> 12 South	<b>R.</b> 16 East				
Bottom Location: NW SW	Sec. 26_	ec. 26 T. 12 South R.					

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Form 3160-3 (August 2007)

## CONFIDENTIAL

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

#### APPLICATION FOR PERMIT TO DRILL OR REENTER

			1//
(( <u>`</u>	ORM A OMB N	PROVED 10/4/0137	Y Y
	Apper d	y 31, 2010	Ш

5. Lease Serial No. UTU-0681

6.	If Indian, A	llotee or	Tribe Name
N/A			

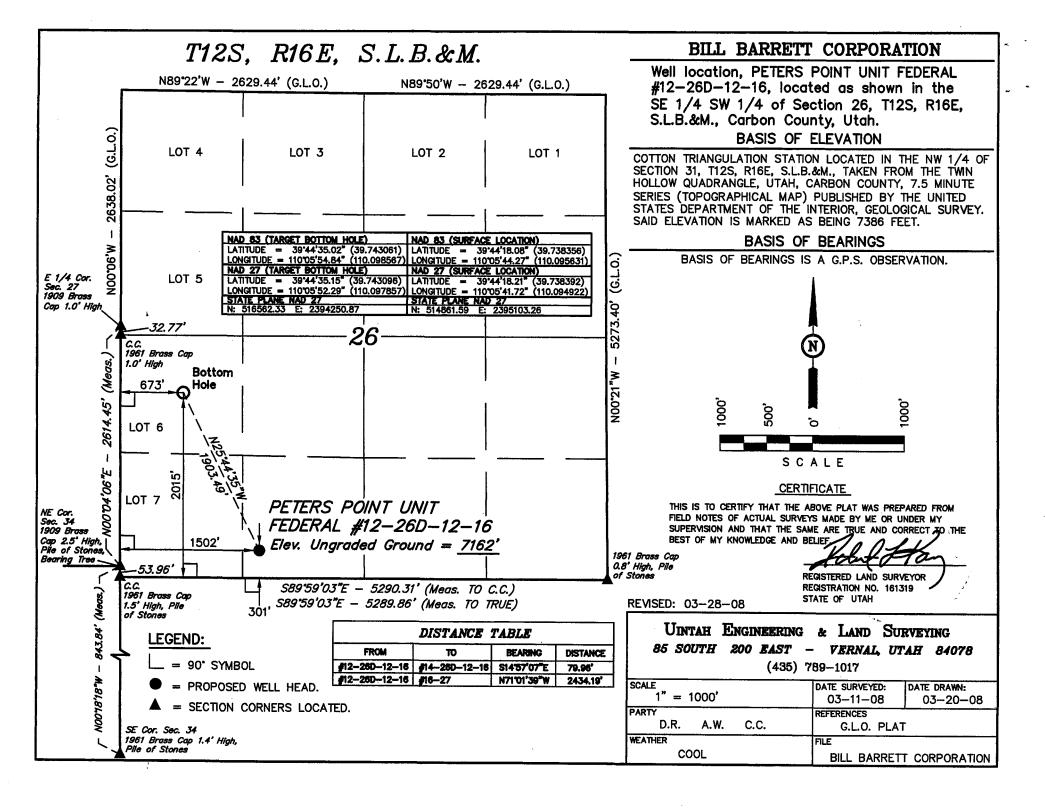
la. Type of work: ✓ DRILL REENTI	ER	Peters Point	A Agreement, Name and No.  / UTU-63014
lb. Type of Well: Oil Well Gas Well Other	Single Zone  Multi		ne and Well No. Unit Federal 12-26D-12-16
Name of Operator Bill Barrett Corporation		9. API Well ]	
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202	3b. Phone No. (include area code) 303-312-8134	10. Field and Po	ool, or Exploratory  Wasatch-Mesaverde
<ol> <li>Location of Well (Report location clearly and in accordance with an At surface SESW, 301' FSL, 1502' FWL</li> <li>At proposed prod. zone NWSW, Lot 6, 2015' FSL, 673' FWI</li> </ol>	<b>,</b>	11. Sec., T. R. M Sec. 26, T129	M. or Blk.and Survey or Area S-R16E
<ol> <li>Distance in miles and direction from nearest town or post office* approximately 51 miles from Myton, Utah</li> </ol>		12. County or P Carbon Coun	
15. Distance from proposed* 301' SH / 673' BH property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of acres in lease 1598.62	17. Spacing Unit dedicated to 40 acres	to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 8100' MD	20. BLM/BIA Bond No. on the Nationwide Bond #WY!	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7162' graded ground	22. Approximate date work will star 09/01/2008		luration
, 102 graded ground	24. Attachments	45 days	
The following, completed in accordance with the requirements of Onshore		ached to this form:	
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System I SUPO must be filed with the appropriate Forest Service Office).</li> </ol>	4. Bond to cover the Item 20 above).  ands, the 5. Operator certification	e operations unless covered	by an existing bond on file (see
25. Signature Sacry Fallang Title	Name (Printed/Typed) Tracey Fallang		Date 04/23/2008
Environmental/Regulatory Analyst			
Approved by (Signature) /S/Michael Stiewig	Name (Printed/Typed)	, 1	<sup>D</sup> JUN 2 0 2008
Acting Field Manager	Office PRICE FIEL		
Application approval does not warrant or certify that the applicant holds conduct operations thereon.  Conditions of approval, if any, are attached.	legal or equitable title to those rights	in the subject lease which w	puld entitle the applicant to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cristates any false, fictitious or fraudulent statements or representations as to	me for any person knowingly and wi any matter within its jurisdiction.	llfully to make to any departm	nent or agency of the United
(Continued on page 2)		*(	Instructions on page 2)

CONDITIONS OF APPROVAL DECHED

JUN 2 6 2008

DIV. OF OIL, GAS & MINING UDOGM

PRICE PIELD OFFICE POLYTHUS OFFICE PRICE PIELD OFFICE



## BILL BARRETT CORPORATION PRICKLY PEAR UNIT FEDERAL #3-35D-12-16, #15-26D-12-16, #13-26D-12-16, #11-26D-12-16, #12-26D-12-16 & #10-26D-12-16 SECTION 26, T12S, R16E, S.L.B.&M.

PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH: TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 31.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST: TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 6.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH: TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 7.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN A EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST: TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 100' TO THE EXISTING ACCESS TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY, THEN NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.5 MILES.



#### UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

PRICE FIELD OFFICE

**125 SOUTH 600 WEST** 

**PRICE, UT 84501** 

(435) 636-3600



#### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:

**Bill Barrett Corporation** 

Location:

SESW Section 26-T12S-R16E

Well No:

Peters Point Unit Federal 12-26D-12-16 Lease No:

UTU-0681

API No:

43-013-

Agreement:

Peters Point (UTU-63014)

Title	Name	Office Phone Number	Cell Phone Number
Acting Field Manager & Authorized Officer:	Michael Stiewig	(435) 636-3633	(435) 650-9135
Senior Petroleum Engineer:	Matthew Baker (Primary)	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	James Ashley (Alt.)	(435) 781-4470	(435) 828-7874
Petroleum Engineering Technician Petroleum Engineering Technician	Randy Knight (Primary) Walton Willis (Alt.)	(435) 636-3615 (435) 636-3662	(435) 650-9143 (435) 650-9140
	,		
NRS/Enviro Scientist:	Nathan Sill (Alt.)	(435) 636-3668	
NRS/Enviro Scientist:	Don Stephens (Primary)	(435) 636-3608	

Fax: (435) 636-3657

#### A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

#### NOTIFICATION REQUIREMENTS

Location Construction (Notify NRS)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS)	_	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Bill Barrett Corporation

Peters Point Unit Federal 12-26D-12-16

Peters Point Unit

Lease, Surface: UTU-0681 Bottom-hole: UTU-0681

Location, Surface: SE/SW Sec. 26, T12S, R16E

Bottom-hole: NE/SW (Lot 6) Sec. 26, T12S, R16E

Carbon County, Utah

A COMPLETE COPY OF THIS APPROVED PERMIT and Conditions of Approval shall be maintained on location during all construction and drilling operations, and shall be available to contractors to ensure compliance.

#### CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Bill Barrett Corporation is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by **WYB000040** (Principal – Bill Barrett Corporation) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of two years from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. Failure to comply with the provisions of this permit, including applicable regulations, stipulations, and/or approval conditions, will be considered a violation subject to the enforcement provisions of 43 CFR Subpart 3163.

#### A. DRILLING PROGRAM

- 1. The proposed 3M BOP system is adequate for anticipated conditions. Installation, testing and operation of the system shall be in conformance with Onshore Oil and Gas Order No. 2.
- 2. If air drilling operations are utilized, the requirements of Onshore Oil and Gas Order No. 2 (Order 2), Part III.E *Special Drilling Operations*, shall be implemented.
- 3. Concurrent approval from the State of Utah, Division of Oil, Gas & Mining (DOGM) is required before conducting any surface disturbing activities.
- 4. The proposal included a provision for using minor amounts of diesel in the drilling fluid system. Diesel may be added to the system only after cementing the surface casing into place.
- 5. Either of the two production casing options proposed may be used.
- 6. A cement bond log (CBL) or other appropriate tool for determining top-of-cement, shall be run on the production casing string, unless cement is circulated to surface.
- 7. If logging reveals that the cementing objectives were not met, remedial cementing will be required.
- 8. Locally, the Green River Formation is known to contain oil, gas, oil shale and tar sand deposits. However, the lateral occurrence, distribution and grade of the oil shale and tar sand deposits are not well defined. The operator shall pay particular attention to this section, and shall attempt to identify and describe any of these resources that may be penetrated. Any information obtained on these resources shall be included as part of the Well Completion Report.
- 9. The use of a flow conditioner in lieu of straightening vanes in the gas meter run cannot be approved with the information provided. This proposal is not consistent with the provisions of Onshore Oil & Gas Order No. 5, and as such, can only be considered for approval as a "variance" from Order No. 5. A written request for variance would identify the Order No. 5 requirement(s) from which the variance is being requested, and it would include supporting justification as to how the alternate method of measurement would meet or exceed the minimum standards established in Order No. 5. A variance request for the use of a flow conditioner would also include the make, model, dimensions, and description of use for the specific flow conditioner being proposed.

10. Approval to use an Electronic Flow Computer is granted with the following conditions:

The EFC shall meet or exceed all standards and requirements of Utah NTL 2007-1 regarding the Use of Electronic Flow Computers.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Price Field Office Petroleum Engineer within 24 hours of spudding.
- Notify Price Field Office Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily
  drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order
  No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a
  test pump with a chart recorder and NOT by the rig pumps. Test shall be reported in the driller's
  log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is
  encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Price
  Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Price Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Price BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Price Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall
  be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL
  to this office.

- Please submit a copy of all other logs run on this well to the BLM Price Field Office.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Price Field Office.

#### **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Price Field office must be
  notified when it is placed in a producing status. Such notification will be by written
  communication and must be received in this office by not later than the fifth business day
  following the date on which the well is placed on production. The notification shall provide, as a
  minimum, the following informational items:
  - o Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - o The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Price Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will
  be reported to the BLM, Price Field Office. Major events, as defined in NTL3A, shall be
  reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major
  Events" will be reported in writing within 15 days. "Minor Events" will be reported on the
  Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Price Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Price Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Price Field
  Office Petroleum Engineers will be provided with a date and time for the initial meter calibration
  and all future meter proving schedules. A copy of the meter calibration reports shall be
  submitted to the BLM Price Field Office. All measurement facilities will conform to the API
  standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All
  measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted
  to the BLM Price Field Office within 30 days of installation or first production, whichever occurs
  first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be
  adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively
  sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Price Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
  equipment shall be removed from a well to be placed in a suspended status without prior
  approval of the BLM Price Field Office. If operations are to be suspended for more than 30
  days, prior approval of the BLM Price Field Office shall be obtained and notification given before
  resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT Price Field Office Price, Utah

#### SURFACE USE CONDITIONS OF APPROVAL

Project Name: Peters Point Unit Drilling						
Operator: Bill Barrett Corpo	oration					
Well:						
<u>Name</u>	Number	Section SH	TWP/RNG	<u>Lease</u> Number		
Peters Point Unit Federal	12-26D-12-16	26	12S/16E	UTU-0681		

#### I Site Specific Conditions of Approval

- 1. A pre-construction field meeting may be conducted prior to beginning any dirt work approved under this APD. The operator shall contact the BLM Authorized Officer Don Stephens @ 435-636-3608 at least 48-hours prior to beginning operations so that the meeting can be scheduled. The operator is responsible for having all contractors present (dirt contractors, drilling contractor, pipeline contractor, project oversight personnel, etc.) including the overall field operations superintendent, and for providing all contractors copies of the approved APD(s), project map and BLM Conditions of Approval pertinent to the work that each will be doing.
- 2. The following appendices are attached for your reference. They are to be followed as conditions of approval:
  - a. SM-A, Seed Mixture for Berms, Topsoil Piles, Pad Margins
  - b. SM-B, Seed Mixture for Final Reclamation (buried pipelines, abandoned pads, roads, etc.)
  - c. TMC1, Browse Hand Planting Tubeling Mixtures
  - d. Lease Stipulations, see attached Table 2.3 from EA for West Tavaputs Plateau Drilling Program.
  - e. Applicant-committed environmental protection measures, see attached Appendix B
- 3. The company shall furnish and apply water or other means satisfactory to the authorized officer for dust control. Dust is controlled when the following standards are met: (1) no dust is generated above the cab of the vehicle, or (2) no hanging dust plumes. These standards are applicable to Nine Mile Canyon between Harmon and Cottonwood Canyons, and in Harmon and Cottonwood Canyons. If dust exceeds these standards, operations shall be shut down until the standards are met.

- 4. The company shall supply a third party monitor to report directly to the BLM which shall monitor for dust on a daily basis, as necessary. A written monitoring report shall be submitted to the BLM on a weekly basis, and a phone report shall be made to the authorized officer on a daily basis, as necessary. If dust control standards are not met, operations shall be shut down until the standards are met.
- 5. The company shall submit interim reclamation plans and location layout with proposed interim reclaimed areas to the authorized office within 90 days of the spudding of the well.
- 6. There is an eligible cultural site (42Cb2085) along the access road. If new construction is required along the access road, the site shall be flagged for avoidance and the pipeline shall be "boomed" into place to further avoid the eligible site.
- 7. The area that encompasses the well location and road is environmentally sensitive including fragile soils and vegetation. The operator may be required to perform special measures such as mulching, erosion fencing, use of erosion fabric, etc. per the direction of the BLM Authorized Officer to stabilize any disturbed areas and ensure the reestablishment of long-term perennial vegetation.
- 8. The operator will be responsible for performing any remediation and/or necessary road upgrading (e.g. elevating, surfacing, culverts, low-water crossings, water-wings, surfacing, etc.) as directed by the BLM Authorized Officer, resulting from untimely access.
- 9. All equipment and personnel used during drilling and construction activities will be restricted to only approve access roads.
- 10. If the well is productive and after completion operations, the road will be upgraded to a **Resource Road** status in accordance with the *Surface Operating Standards for Oil & Gas Exploration and Development*, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.
- 11. All permanent above-ground structures (e.g., production equipment, tanks, etc.) not subject to safety requirements will be painted to blend with the natural color of the landscape. The paint used will be a color which simulates "Standard Environmental Colors." The color selected for the Peters Point Unit Federal 12-26D-12-16 well is Olive Black, 5WA20-6. All facilities will be painted the designated color at the time of installation.
- 12. All trees salvaged from the construction of the well pad will be clearly segregated from the spoil material, to prevent burying of trees in the spoil material.
- 13. No salvaged trees will be pushed up against live trees or buried in the spoil material.
- 14. All areas not needed for production of the well will be reclaimed within 90 days of completion of the last well if weather conditions are favorable, unless the BLM Authorized Officer gives an extension.
- 15. Reserve pits will be closed as soon as possible, but no later than 90 days from time of drilling/well completion, unless the BLM Authorized Officer gives an extension. Squeezing of pit fluids and cuttings is prohibited. Pits must be dry of fluids or they must be removed via vac-truck or other environmentally acceptable method prior to backfilling, re-contouring and replacement of topsoil. Mud and cuttings left in pit must be buried at least 3-feet below re-contoured grade. The operator will be responsible for recontouring any subsidence areas that develop from closing a pit before it is sufficiently dry.

- 16. The operator will drill seed on the contour to a depth of 0.5 inch, followed by cultipaction to compact the seedbed, preventing soil and seed losses. To maintain quality and purity, the current years tested, certified seed with a minimum germination rate of 80% and a minimum purity of 90% will be used.
- 17. Please contact Don Stephens, Natural Resource Specialist, (435) 636-3608, Bureau of Land Management, Price Field Office, if there are any questions concerning these surface use COAs.
- 18. A Paleontologist acceptable to the BLM will monitor during surface disturbing activities. If paleontologic resources are uncovered during surface disturbing activities, the paleontologist shall immediately notify the Authorized Officer (AO). The AO will arrange for a determination of significance and, if necessary, recommend a recovery or avoidance plan.
- 19. The pipeline(s) shall be buried.
- 20. During the activities of road maintenance, new road construction or the construction of well pads, if any standing live or dead trees are damaged, cut down or knocked over by grading or construction equipment, actions would be taken to remove excessive vegetation from the road or pad edge.
- 21. An impermeable liner shall be used in the containment area of all permanent condensate and water tanks.
- 22. Gas shall be measured on the well pad unless the BLM Authorized Officer authorizes another location.
- 23. If the well has not been spudded by APD Approval date + 2 years the APD will expire and the operator is to cease all operations related to preparing to drill the well.
- 24. The Mexican Spotted Owl Conservation Measures to avoid impacts:
  - a. Employ best available technology on production wells and compression equipment within .5 miles of canyon habitat model.
  - b. Upon discovery of individuals or sightings of this species, halt construction/drilling activities and notify authorized official.
- 25. No construction/drilling activities shall occur during the time of the year November 1 through April 15 for sage-grouse winter habitat.
- 26. Mule deer on critical winter ranges shall be protected by seasonal restrictions on construction from November 1 through May 15 where federal permits are required.
- 27. Elk on high priority and critical winter ranges would be protected by seasonal restrictions on construction from November 1 through May 15.
- 28. Centralize tanks and facilities with old wells. Utilize low profile tanks.
- 29. Leave trees on the edge of the well site.
- 30. The operator shall contact the BLM Authorized Officer Don Stephens @ 435-636-3608 at least 48-hours prior to the filling and reclamation of pits.

#### II Standard Conditions of Approval

#### A. General

1. If any cultural values [sites, artifacts, human remains] are observed during operation of this lease/permit/right-of-way, they will be left intact and the Price Field Manager notified. The authorized officer will conduct an evaluation of the cultural values to establish appropriate mitigation, salvage or treatment. The operator is responsible for

informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized BLM officer (AO). Within five working days the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and,
- a time-frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction measures.
- 2. The operator shall restrict travel on unimproved roads during periods of inclement weather or spring thaw when the possibility exists for excessive surface resource damage (e.g., rutting in excess of 4-inches, travel outside roadway, etc.).
- 3. The Companies will provide georeferenced spatial data depicting as-built locations of all facilities, wells, roads, pipelines, power lines, and other related facilities to the BLM by November 1 of each year until completion of project construction activities has occurred.
- 4. If any dead or injured threatened, endangered, proposed, or candidate species is located during construction or operation, the BLM Price Field Office (435-636-3600) shall be notified within 24 hours.
- 5. The Company will conduct clearance surveys for threatened, endangered or other special-concern species at the optimum time. This will require coordination with the BLM before November 1 annually to review the potential for disturbance and to agree on inventory parameters.

### **B.** Construction

- 1. The operator will limit vegetation removal and the degree of surface disturbance wherever possible. Where surface disturbance cannot be avoided, all practicable measures will be utilized to minimize erosion and stabilize disturbed soils.
- 2. Construction and drilling activity will not be conducted using frozen or saturated soil material during periods when watershed damage or excessive rutting is likely to occur.
- 3. Remove all available topsoil from constructed well locations including areas of cut and fill, and stockpile at the site. Topsoil will also be salvaged for use in reclamation on all other areas of surface disturbance (roads, pipelines, etc.). Clearly segregate topsoil from excess spoil material. Any topsoil stockpiled for one year or longer will be signed and stabilized with annual ryegrass or other suitable cover crop.
- 4. The operator will not push soil material and overburden over side slopes or into drainages. All soil material disturbed will be placed in an area where it can be retrieved without creating additional undue surface disturbance and where it does not impede watershed and drainage flows.

- 5. Construct the backslope no steeper than 1½:1, and construct the foreslope no steeper than 2:1, unless otherwise directed by the BLM Authorized Officer.
- 6. Maintain a minimum 20-foot undisturbed vegetative border between toe-of-fill of pad and/or pit areas and the edge of adjacent drainages, unless otherwise directed by the BLM Authorized Officer.
- 7. With the overall objective of minimizing surface disturbance and retaining land stability and productivity, the operator shall utilize equipment that is appropriate to the scope and scale of work being done for roads and well pads (utilize equipment no larger than needed for the job).
- 8. Reserve pits will be adequately fenced during and after drilling operations until pit is reclaimed so as to effectively keep out wildlife and livestock. Adequate fencing, in lieu of more stringent requirements by the surface owner, is defined as follows:
  - Construction materials will consist of steel or wood posts. Three or four strand wire (smooth or barbed) fence or hog panel (16-foot length by 50-inch height) or plastic snow fence must be used with connectors such as fence staples, quick-connect clips, hog rings, hose clamps, twisted wire, etc. Electric fences will not be allowed.
  - Construction standards: Posts shall be firmly set in ground. If wire is used, it must be taut and evenly spaced, from ground level to top wire, to effectively keep out animals. Hog panels must be tied securely into posts and one another using fence staples, clamps, etc. Plastic snow fencing must be taut and sturdy. Fence must be at least 2-feet from edge of pit. 3 sides fenced before beginning drilling, the fourth side fenced immediately upon completion of drilling and prior to rig release. Fence must be left up and maintained in adequate condition until pit is closed.
- 9. The reserve pit will be oriented to prevent collection of surface runoff. After the drilling rig is removed, the operator may need to construct a trench on the uphill side of the reserve pit to divert surface drainage around it. If constructed, the trench will be left intact until the pit is closed.
- 10. The reserve pit will be lined with an impermeable liner if permeable subsurface material is encountered. An impermeable liner is any liner having a permeability of less than 10<sup>-7</sup> cm/sec. The liner will be installed so that it will not leak and will be chemically compatible with all substances that may be put in the pit. Liners made of any man-made synthetic material will be of sufficient strength and thickness to withstand normal installation and pit use. In gravelly or rocky soils, a suitable bedding material such as sand will be used prior to installing the liner.
- 11. The reserve pit will be constructed so that at least half of its total volume is in solid cut material (below natural ground level).
- 12. The reserve pit shall have 2 foot of freeboard maintained at all times to prevent overflow of fluids.
- 13. Culverts will be placed on channel bottoms on firm, uniform beds, which have been shaped to accept them, and aligned parallel to the channel to minimize erosion. Backfill will be thoroughly compacted.
- 14. The minimum diameter for culverts will be 18 inches. However, all culverts will be appropriately sized in accordance with standards in BLM Manual 9113.
- 15. Construction and other project-related traffic will be restricted to approved routes. Cross-country vehicle travel will not be allowed.

- 16. Maximum design speed on all operator-constructed and maintained roads will not exceed 25 miles per hour.
- 17. Pipeline construction shall not block nor change the natural course of any drainage. Pipelines shall cross perpendicular to drainages. Pipelines shall not be run parallel in drainage bottoms. Suspended pipelines shall provide adequate clearance for maximum runoff.
- 18. Pipeline trenches shall be compacted during backfilling. Pipeline trenches shall be routinely inspected and maintained to ensure proper settling, stabilization and reclamation.
- 19. The pipeline right-of-way will be brush-hogged to prevent unnecessary disturbance. Only those areas where safety, absolute need for construction or other regulations may warrant the use of topsoil removal by blading or scalping.
- 20. During construction, emissions of particulate matter from well pad and road construction would be minimized by application of water or other non-saline dust suppressants with at least 50 percent control efficiency. Dust inhibitors (surfacing materials, non-saline dust suppressants, and water) will be used as necessary on unpaved roads that present a fugitive dust problem. The use of chemical dust suppressants on public surface will require prior approval from the BLM Authorized Officer.
- 21. The operator shall submit a Sundry Notice (Form 3160-5) to BLM for approval prior to construction of any new surface disturbing activities that are not specifically addressed in the approved APD.

### C. Operations/Maintenance

- 1. If in the process of air drilling the wells there is a need to utilize mud, all circulating fluids will be contained either in an approved pit or in an aboveground containment tank. The pit or containment tank will be large enough to safely contain the capacity of all expected fluids without danger of overflow. Fluid and cuttings will not be squeezed out of the pit, and the pit will be reclaimed in an expedient manner.
- 2. Confine all equipment and vehicles to the access road(s), pad(s), and area(s) specified in the approved APD.
- 3. All waste, other than human waste and drilling fluids, will be contained in a portable trash cage. This waste will be transported to a State approved waste disposal site immediately upon completion of drilling operations. No trash or empty barrels will be placed in the reserve pit or buried on location. All state and local laws and regulations pertaining to disposal of human and solid waste will be complied with.
- 4. Rat and mouse holes shall be filled and compacted from the bottom to the top immediately upon release of the drilling rig from the location.
- 5. The operator will be responsible for prevention and control of noxious weeds and weeds of concern on all areas of surface disturbance associated with this project (well locations, roads, water management facilities, etc.) Use of pesticides shall comply with the applicable Federal and State laws. Pesticides shall be used only in accordance with their registered uses and within limitations imposed by the Secretary of Interior. Prior to the use of pesticides on public land, the holder shall obtain from the BLM authorized officer written approval of a plan showing the type and quantity of material to be used, pest(s) to be controlled, method of application, location of storage and disposal of containers, and any other information deemed necessary by the authorized officer to such use.

- 6. Sewage shall be placed in a self-contained, chemically treated porta-potty on location.
- 7. The operator and their contractors shall ensure that all use, production, storage, transport and disposal of hazardous and extremely hazardous materials associated with the drilling, completion and production of these wells will be in accordance with all applicable existing or hereafter promulgated federal, state and local government rules, regulations and guidelines. All project-related activities involving hazardous materials will be conducted in a manner to minimize potential environmental impacts. In accordance with OSHA requirements, a file will be maintained onsite containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds and/or substances which are used in the course of construction, drilling, completion and production operations.
- 8. Produced fluids shall be put in test tanks on location during completion work. Produced water will be put in the reserve pit during completion work per Onshore Order #7.
- 9. The only fluids/waste materials which are authorized to go into the reserve pit are RCRA exempt exploration and production wastes. These include:
  - drilling muds & cuttings
  - rigwash
  - excess cement and certain completion & stimulation fluids defined by EPA as exempt

It does not include drilling rig waste, such as:

- spent hydraulic fluids
- used engine oil
- used oil filter
- empty cement, drilling mud, or other product sacks
- empty paint, pipe dope, chemical or other product containers
- excess chemicals or chemical rinsate

Any evidence of non-exempt wastes being put into the reserve pit may result in the BLM Authorized Officer requiring specific testing and closure requirements.

10. If this well is drilled during the fire season (June-October), the operator shall institute all necessary precautions to ensure that fire hazard is minimized, including but not limited to mowing vegetation on the access route(s) and well location(s), keeping fire fighting equipment readily available when drilling, etc.

### D. Dry Hole/Reclamation

- 1. All disturbed lands associated with this project, including the pipelines, access roads, water management facilities, etc will be expediently reclaimed and reseeded in accordance with the surface use plan and any pertinent site-specific COAs.
- 2. Disturbed lands will be re-contoured back to conform with existing undisturbed topography. No depressions will be left that trap water or form ponds.
- 3. Before the location has been reshaped and prior to redistributing the topsoil, the operator will rip or scarify the drilling platform and access road on the contour, to a depth of at least 12 inches. The rippers are to be no farther than 24 inches apart.
- 4. Distribute the topsoil evenly over the entire location and other disturbed areas. Prepare the seedbed by disking to a depth of 4-to-6 inches following the contour.
- 5. Phased reclamation plans will be submitted to BLM for approval prior to individual POD facility abandonment via a Notice of Intent (NOI) Sundry Notice. Individual facilities, such as well locations, pipelines, discharge points, impoundments, etc. need to be

addressed in these plans as they are no longer needed. Individual items that will need to be addressed in reclamation plans include:

- Pit closure (Close ASAP after suitably dry, but no later than 90 days from time of drilling unless an extension is given by BLM Authorized Officer.) BLM may require closure prior to 90 days in some cases due to land use or environmental concerns.
- Configuration of reshaped topography, drainage systems, and other surface manipulations
- Waste disposal
- Revegetation methods, including specific seed mix (pounds pure live seed/acre) and soil treatments (seedbed preparation, fertilization, mulching, etc.). On private surface, the landowner should be consulted for the specific seed mix.
- Other practices that will be used to reclaim and stabilize all disturbed areas, such as water bars, erosion fabric, hydro-mulching, etc.
- An estimate of the timetables for beginning and completing various reclamation operations relative to weather and local land uses.
- Methods and measures that will be used to control noxious weeds, addressing both ingress and egress to the individual well or POD.
- Decommissioning/removal of all surface facilities
- 6. BLM will not release the performance bond until all disturbed areas associated with the APD/POD have been successfully revegetated (evaluation will be made after the second complete growing season) and has met all other reclamation goals of the surface owner and surface management agency.
- 7. A Notice of Intent to Abandon and a Subsequent Report of Abandonment must be submitted for abandonment approval.
- 8. For performance bond release approval, a Final Abandonment Notice (with a surface owner release letter on split-estate) must be submitted prior to a final abandonment evaluation by BLM.
- 9. Soil fertility testing and the addition of soil amendments may be required to stabilize some disturbed lands.
- 10. Any mulch utilized for reclamation needs to be certified weed free.
- 11. Waterbars are to be constructed at least one (1) foot deep, on the contour with approximately two (2) feet of drop per 100 feet of waterbar to ensure drainage, and extended into established vegetation. All waterbars are to be constructed with the berm on the downhill side to prevent the soft material from silting in the trench. The initial waterbar should be constructed at the top of the backslope. Subsequent waterbars should follow the following general spacing guidelines:

Slope	Spacing Interval			
(percent)	(feet)			
<u>≤2</u>	200			
2 - 4	100			
4 - 5	75			
≥ 5	50			

### E. Producing Well

- 1. Reclaim those areas not required for production as soon as possible. The fluids and mud must be dry in the reserve pit before re-contouring pit area. The operator will be responsible for re-contouring and reseeding of any subsidence areas that develop from closing a pit before it is completely dry.
- 2. Reduce the backslope to 2:1 and the foreslope to 3:1, unless otherwise directed by the BLM Authorized Officer. Reduce slopes by pulling fill material up from foreslope into the toe of cut slopes.
- 3. Production facilities (including dikes) must be placed on the cut portion of the location and a minimum of 15 feet from the toe of the back cut unless otherwise approved by the BLM Authorized Officer.
- 4. Any spilled or leaked oil, produced water or treatment chemicals must be reported in accordance with NTL-3A and immediately cleaned up in accordance with BLM requirements. This includes clean-up and proper disposition of soils contaminated as a result of such spills/leaks.
- 5. Distribute stockpiled topsoil evenly over those areas not required for production and reseed as recommended.
- 6. Upgrade and maintain access roads and drainage control (e.g., culverts, drainage dips, ditching, crowning, surfacing, etc.) as necessary and as directed by the BLM Authorized Officer to prevent soil erosion and accommodate safe, environmentally-sound access.
- 7. Prior to construction of production facilities not specifically addressed in the APD, the operator shall submit a Sundry Notice to the BLM Authorized Officer for approval.
- 8. If not already required prior to constructing and drilling the well location, the operator shall immediately upgrade the entire access road to BLM standards (including topsoiling, crowning, ditching, drainage culverts, surfacing, etc.) to ensure safe, environmentally-sound, year-round access. Waterbars shall be installed on all reclaimed pipeline corridors per the guidelines in D #11.

### Seed Mix A1

Temporary Disturbance (for berms, topsoil piles, pad margins)

### **Forbes Lbs**

Yellow Sweetclover	2.0 lbs/acre
Ladak Alfalfa	2.0 lbs/acre
Cicer Milkvetch	1.0 lbs/acre
Palmer Penstemon	0.5 lbs/acre

### **Grasses Lbs**

Crested Wheatgrass		2.0 lbs/acre
Great Basin Wildrye		2.0 lbs/acre
Intermediate Wheatgrass	• ·	2.0 lbs/acre

### Total

11.5 lbs/acre

1 Seed mix A is designed for rapid establishment, soil holding ability, and nitrogen fixing capability. C-4 EA, West Tavaputs Plateau Drilling Program

### Seed Mix B

Final Reclamation (for buried pipe lines, abandoned pads, road, etc.)

### Forbes Lbs

Palmer Penstemon	0.5 lbs/acre
Golden Cryptantha	0.25 lbs/acre
Utah Sweetvetch	0.5 lbs/acre
Yellow Sweetclover <sup>1</sup>	2.0 lbs/acre
Lewis Flax	1.0 lbs/acre

### **Grasses Lbs**

Indian Ricegrass	1.0 lbs/acre
Needle & Thread Grass	1.0 lbs/acre
Intermediate Wheatgrass	2.0 lbs/acre
Blue Grama	0.5 lbs/acre
Galletta	0.5 lbs/acre
Great Basin Wildrye	2.0 lbs/acre

### **Woody Plants Lbs**

Fourwing Saltbush	2.0 lbs/acre
Winterfat	0.5 lbs/acre

Wyoming Big Sage brush
Utah Serviceberry
Blue Elderberry (Raw Seeds)
0.25 lbs/acre
1.0 lbs/acre
1.0 lbs/acre

#### Total 16.0 lbs/acre

1 Yellow Sweetclover is planted as a nurse crop to provide solar protection, soil binding and nitrogen fixing. It will normally be crowded out in 2 to 3 years.

# TMC 1: Browse Hand Planting Tubeling Mixtures

One of the two browse species lists (checked below) are to be hand planted at the prescribed application rate and according to the following prescribed methods on areas that are undergoing long term reclamation. The would include all pipeline corridors, berm around edge of drill pads, miscellaneous disturbed areas associated with construction such as staging areas for equipment, sidecast on road cuts, along side upgraded or new roads up to and including borrow ditch and in the termination of redundant access roads being closed. This planting shall be completed in the first planting window following completion of construction and on all other disturbed areas upon final reclamation.

### **Planting Methods:**

Planting shall be accomplished using a labor force with specific experience in landscape restoration, hand planting methods and handling and care of browse tubling and or bareroot stock plants.

Browse plants to be utilized can be bareroot stock or tubling stock plants of 1 year old age class or greater.

Browse seedling protectors will be used to provide protection from browsing ungulates for two years. Seedling protectors will be of an open mesh rigid design that will break down when exposed to sunlight and that measures a minimum of 12 inches in length and 4 inches in diameter.

Planting shall be completed in the spring (March 1-April 1) and or fall (November 1-December 1) planting windows.

Browse plants shall be stored and handled in such a manner as to maintain viability, according to the type of browse stock being used.

Dlants Day Asso

Planting Species and Application Rate: [ ] Sagebrush-Grass [X] Pinyon-Juniper

	Plants Per	Acre	
	Sagebrush-	Pinyon-	
Species	Grass	Juniper	
Wyoming Sagebrush (Gordon Creek)	100	50	
Fourwing Saltbush (Utah seed source collected at or above 5,000 feet elevation)	100	50	
True Mountain Mahogany (Utah seed source)	0	50	
Antelope Bitterbrush (Utah seed source)	0	50	
TOTAL	200	200	
Suitable Substitutions: Utah Serviceberry	No	50	

Winterfat

100 |

No

Table 2.3 Lease Numbers, Oil and Gas Units, Federal ROW Requirements, and Lease Stipulations for State and Federal Wells Proposed by BBC.

Location/Well Number	Federal Lease Number and Stipulations	Unit Name	Federal ROW Needs
Federal Wells			
7-25	UTU-59970	Prickly Pear Unit	Lower Flat Iron Road
16-34	UTU-73671	Prickly Pear Unit	Lower Flat Iron Road
27-3	UTU-73670 1,2,3	Prickly Pear Unit	None
21-2	UTU-73670 1,2,3	Prickly Pear Unit	None
13-4	UTU-74385	Prickly Pear Unit	None
5-13	UTU-73665	Prickly Pear Unit	None
24-12	UTU-77513 1,2,3	Prickly Pear Unit	. None
10-4	UTU-74386 1,2,3,4	Prickly Pear Unit	None
15-19	UTU-66801 1,2,3	Jack Canyon Unit	None
Existing Pads			,
UT-10	UTU-66801 1,2,3	Jack Canyon Unit	None
РРН-8	UTU-66801 1,2,3	Jack Canyon Unit	None
PP-11	UTU-66801 1,2,3	Jack Canyon Unit	None
State Wells			
Section 2, T13S, R15E	NA	Prickly Pear Unit	Lower Flat Iron Road
Section 36, T12S, R15E	NA	Prickly Pear Unit	Lower Flat Iron Road
Section 32, T12S, R16E	NA	Jack Canyon Unit	Cottonwood Canyon Road
Section 2, T13S, R16E	NA	None	Peters Point Road Extension

No occupancy or other surface disturbance will be allowed within 330 feet of the centerline or within the 100-year recurrence interval floodplain, whichever is greater, of the perennial streams or within 660 feet of springs, whether flowing or not. This distance may be modified when specifically approved in writing by the authorized officer of the BLM.

In order to minimize watershed damage, exploration drilling and other development activity will be allowed only during the period from May 1 to October 31. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the BLM.

Construction of access roads and drill pads on slopes in excess of 30 percent will require special design standards to minimize watershed damage. Drilling operations and any associated construction activities on slopes in excess of 50 percent may require directional drilling to prevent damage to the watershed. Exceptions to the limitations may be specifically approved in writing by the authorized officer of the BLM.

Raptor surveys will be required whenever surface disturbance and/or occupancy proposed in association with oil/gas exploration occur within a known nesting complex for raptors located in the NWNW, Sec. 10, T12S, R14E. Field surveys will be conducted by the lessee/operator as determined by the AO of the BLM. When surveys are required of the lessee/operator, the consultant hired must be found acceptable to the AO prior to the field survey being conducted. Based on the result of the field survey, the AO will determine appropriate buffer zones.

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### 1.0 INTRODUCTION

Appendix B is part of BBC's Proposed Action for the WTPDP as described in Chapter 2.0, and BBC will comply with the standards, procedures, and requirements contained in Appendix B when implementing the Alternatives unless otherwise provided for by the BLM Authorized Officer (AO). Appendix B describes standard practices utilized to mitigate adverse effects caused by surface-disturbing activities.

#### 2.0 STANDARD PRACTICES

The following BMPs/Applicant-Committed Protection Measures (ACEPM) will be applied to all federal lands within the WTPPA by BBC to minimize impacts to the environment. Exception, modification, or waiver of a mitigation requirement may be granted if a thorough analysis by BLM determines that the resource(s) for which the measure was developed will not be impacted by the project activity. Further site-specific mitigation measures may be identified during the application for permit to drill (APD) and/or right-of-way (ROW) application review processes.

### 2.1 PRECONSTRUCTION PLANNING AND DESIGN MEASURES

- BBC and/or their contractors and subcontractors will conduct all phases of project implementation, including well location, road and pipeline construction, drilling and completion operations, maintenance, reclamation, and abandonment in full compliance with all applicable federal, state, and local laws and regulations and within the guidelines specified in approved APDs and ROW permits.
   BBC will be held fully accountable for their contractor's and subcontractor's compliance with the requirements of the approved permit and/or plan.
- 2. Implementation of site-specific activities/actions will be contingent on BLM determining that the activity/action complies with the following plans:
  - Surface Use Plan and/or Plan of Development; and
  - Site-specific APD plans/reports (e.g., road and wellpad design plans, cultural clearance, special status plant species clearance, etc.).

The above plans may be prepared by the Companies for the project area or submitted incrementally with each APD, ROW application, or Sundry Notice (SN).

#### 2.2 ROADS

- 1. BBC will construct roads on private surface in a safe and prudent manner to the specifications of landowners.
- 2. Roads on federal surface will be constructed as described in BLM Manual 9113. Where necessary, running surfaces of the roads will be graveled if the base does not already contain sufficient aggregate.
- 3. Existing roads will be used when the alignment is acceptable for the proposed use. Generally, roads will be required to follow natural contours; provide visual screening by constructing curves, etc.; and be reclaimed to BLM standards.
- 4. To control or reduce sediment from roads, guidance involving proper road placement and buffer strips to stream channels, graveling, proper drainage, seasonal closure, and in some cases, redesign or closure of old roads will be developed when necessary. Construction may also be prohibited during periods when soil material is saturated, frozen, or when watershed damage is likely to occur.
- 5. Available topsoil will be stripped from all road corridors prior to commencement of construction activities and will be redistributed and reseeded on backslope areas of the borrow ditch after completion of road construction activities. Borrow ditches will be reseeded in the first appropriate season after initial disturbance.

- 6. On newly constructed roads and permanent roads, the placement of topsoil, seeding, and stabilization will be required on all cut and fill slopes unless conditions prohibit this (e.g., rock). No unnecessary side-casting of material (e.g., maintenance) on steep slopes will be allowed.
- 7. Reclamation of abandoned roads will include requirements for reshaping, recontouring, resurfacing with topsoil, installation of water bars, and seeding on the contour. Road beds, wellpads, and other compacted areas will be ripped to a depth of 1.0 foot on 1.5 feet centers to reduce compaction prior to spreading the topsoil across the disturbed area. Stripped vegetation will be spread over the disturbance for nutrient recycling, where practical. Fertilization or fencing of these disturbances will not normally be required. Additional erosion control measures (e.g., fiber matting) and road barriers to discourage travel may be required. Graveled roads, wellpads, and other sites will be stripped of usable gravel and hauled to new construction sites prior to ripping as deemed necessary by the AO. The removal of structures such as bridges, culverts, cattleguards, and signs will usually be required.
- 8. Main artery roads, regardless of the primary user, will be crowned, ditched, drained, and, if deemed appropriate by the AO, surfaced with gravel.
- 9. Unnecessary topographic alterations will be mitigated by avoiding, where possible, steep slopes, rugged topography, and perennial and ephemeral/intermittent drainages, and by minimizing the area disturbed.
- 10. Upon completion of construction and/or production activities, the Companies will restore, to the extent practicable, the topography to near pre-existing contours at well sites, access roads, pipelines, and other facility sites.
- 11. Existing roads will be used to the maximum extent possible and upgraded as necessary.
- 12. BBC will comply with existing federal, state, and county requirements and restrictions to protect road networks and the traveling public.
- 13. Special arrangements will be made with the Utah Department of Transportation to transport oversize loads to the project area. Otherwise, load limits will be observed at all times to prevent damage to existing road surfaces.
- 14. All development activities along approved ROWs will be restricted to areas authorized in the approved ROW.
- 15. Roads and pipelines will be located adjacent to existing linear facilities wherever practical.
- 16. BBC and/or their contractors will post appropriate warning signs and require project vehicles to adhere to appropriate speed limits on project-required roads, as deemed necessary by the AO.
- 16. BBC will be responsible for necessary preventative and corrective road maintenance for the duration of the project. Maintenance responsibilities may include, but are not limited to, blading, gravel surfacing, cleaning ditches and drainage facilities, dust abatement, noxious weed control, or other requirements as directed by the AO.

#### 2.3 WELLPADS AND FACILITIES

- 1. In conformance with Onshore Oil and Gas Order No. 1, BBC will prepare and submit individual comprehensive drill site design plans for BLM approval. These plans will show the drill location layout over the existing topography; dimensions of the location; volumes and cross sections of cut and fill; location and dimensions of reserve pits; existing drainage patterns; and access road egress and ingress. Plans will be submitted and approved prior to initiation of construction.
- 2. No surface disturbance is recommended on slopes in excess of 25% unless erosion controls can be ensured and adequate revegetation is expected. Engineering proposals and revegetation and restoration plans will be required in these areas.
- 3. Reserve pits will be constructed to ensure protection of surface and ground water. The review to determine the need for installation of lining material will be done on a case-by-case basis and consider soil permeability, water quality, and depth to ground water.
- 4. Reserve pit liners will have a mullen burst strength that is equal to or exceeds 300 pounds, a puncture strength that is equal to or exceeds 160 pounds, and grab tensile strengths that are equal to or exceed 150 pounds. There will be verified test results conducted according to ASTM test standards. The liner will be totally resistant to deterioration by hydrocarbons.
- 5. Produced water from oil and gas operations will be disposed of in accordance with the requirements of Onshore Oil and Gas Order #7.
- 6. Pits will be fenced as specified in individual authorizations. Any pit containing harmful fluids will be maintained in a manner that will prevent migratory bird mortality.
- 7. Disturbances will be managed/reclaimed for zero runoff from the wellpad or other facility until the area is stabilized. All excavations and pits will be closed by backfilling and contouring to conform to surrounding terrain. On wellpads and other facilities, the surface use plan will include objectives for successful reclamation including soil stabilization, plant community composition, and desired vegetation density and diversity.
- 8. On producing wells, BBC will reduce slopes to original contours (not to exceed 3:1 slopes). Areas not used for production purposes will be backfilled and blended into the surrounding terrain, reseeded, and erosion control measures installed. Erosion control measures will be required after slope reduction. Mulching, erosion control measures, and fertilization may be required to achieve acceptable stabilization.
- 9. Abandoned sites will be satisfactorily rehabilitated in accordance with the approved APD.

### 2.4 PIPELINES

- 1. Pipeline construction methods and practices will be completed in such a manner so as to obtain good reclamation and the re-establishment of the native plant community.
- 2. On ditches exceeding 24 inches in width, 6 to 12 inches of surface soil will be salvaged on the entire right-of-way, where practicable. When pipelines are buried, there will be at least 30 inches of backfill on top of the pipe. Backfill will not extend above the original ground level after the fill has settled. Guides for construction and water bar placement found in "Surface Operating Standards for Oil and

Gas Exploration and Development" (BLM and USFS 1989) will be followed. Bladed surface materials will be re-spread upon the cleared route once construction is completed. Disturbed areas that have been reclaimed will be fenced when the route is near livestock watering areas at the discretion of the AO.

- 3. Pipeline ROWs will be located to minimize soil disturbance to the greatest extent practicable. Mitigation will include locating pipeline ROWs adjacent to access roads to minimize ROW disturbance widths, or routing pipeline ROWs directly to minimize disturbance lengths.
- 4. Existing crowned and ditched roads will be used for access where possible to minimize surface disturbances. Clearing of pipeline ROWs will be accomplished with the least degree of disturbance to topsoil. Where topsoil removal is necessary, it will be stockpiled (windrowed) and re-spread over the disturbed area after construction and backfilling are completed. Vegetation removed from the ROW will also be re-spread to provide protection, nutrient recycling, and a seed source.
- 5. Temporary disturbances which do not require major excavation (e.g., small pipelines) may be stripped of vegetation to ground level using mechanical treatment, leaving topsoil intact and root masses relatively undisturbed.
- 6. To promote soil stability, backfill over the trench will be compacted so as not to extend above the original ground level after the fill has settled. Wheel or other methods of compacting the pipeline trench backfill will occur at two levels to reduce trench settling and water channeling--once after 3 feet of fill has been replaced and once within 6-12 inches of the surface. Water bars, mulching, and terracing will be installed, as needed, to minimize erosion. Instream protection structures (e.g., drop structures) in drainages crossed by a pipeline will be installed at the discretion of the AO to prevent erosion.
- 7. BBC will adhere to the following procedures regarding the installation of pipelines during periods when the earth is frozen.
  - The BLM Price Field Office will be contacted at least 10 days prior to anticipated start of project.
     The project will not proceed until such time as authorization from BLM has been received by the Companies.
  - A BLM representative will be on the ground at the beginning of construction.
  - Snow, if present, will be removed utilizing a motor grader.
  - Vegetation will be scalped and windrowed to one side of the right-of-way.
  - A wheel trencher will be used to remove approximately 6-8 inches of topsoil from the top of the pipeline ditch and windrow it to one side.
  - A trench approximately 4 feet deep will be dug using a wheel trencher and the soil will be stockpiled to one side, making sure the top soil or spoil do not get mixed together.
  - The pipeline will be installed, the trench backfilled, and the spoil compacted in the trench.
  - Stockpiled topsoil will be placed in the trench and compacted.
  - Scalped vegetation back will be placed back on right-of-way using a motor grader.
  - The entire right-of-way will be reseeded as normal in the spring after the thaw.

These procedures will be incorporated in every Plan of Development where construction in frozen earth is anticipated.

### 2.5 AIR QUALITY

- 1. BBC will comply with all applicable local, state, and federal air quality laws, statutes, regulations, standards, and implementation plans.
- 2. BBC will obtain all necessary air quality permits from UDAQ to construct, test, and operate facilities.
- 3. All internal combustion equipment will be kept in good working order.
- 4. The Companies will use water at construction sites, as necessary, to abate fugitive dust.
- 5. The Companies will not allow any open burning of garbage or refuse at well sites or other facilities.

#### 2.6 VEGETATION

- 1. Removal and disturbance of vegetation will be kept to a minimum through construction site management (e.g., using previously disturbed areas and existing easements, limiting equipment/materials storage yard and staging area size, etc.).
- 2. Wellpads and associated roads and pipelines will be located to avoid or minimize impacts in areas of high value (e.g., sensitive species habitats, wetland/riparian areas).

### 2.7 SOILS

- 1. Surface-disturbing activities will be examined on a site-specific basis, evaluating the potential for soil loss and the compatibility of soil properties with project design. Stipulations and mitigating measures will be developed on a case-by-case basis to ensure soil conservation and practical management.
- 2. BBC will restrict construction activities during periods when soils are saturated and excessive rutting (>4 inches with multiple passes) would occur.
- 3. Salvage and subsequent replacement of topsoil will occur for surface-disturbing activities wherever specified by the AO.
- 4. Before a surface-disturbing activity is undertaken, topsoil depth will be determined and the amount of topsoil to be removed, along with topsoil placement areas, will be specified in the authorization. The uniform distribution of topsoil over the area to be reclaimed will occur unless conditions warrant a varying depth. On large surface-disturbing projects topsoil will be stockpiled and seeded to reduce erosion. Where feasible, topsoil stockpiles will be designed to maximize surface area to reduce impacts to soil microorganisms. Areas used for spoil storage will be stripped of topsoil before spoil placement, and the replacement of topsoil after spoil removal will be required.
- 5. BBC will avoid adverse impacts to soils by:
  - minimizing the area of disturbance;
  - avoiding construction with frozen soil materials to the extent practicable;
  - avoiding areas with high erosion potential (e.g., unstable soil, dunal areas, slopes greater than 25%, floodplains), where practicable;
  - salvaging and selectively handling topsoil from disturbed areas;
  - adequately protecting stockpiled topsoil and replacing it on the surface during reclamation;
  - leaving the soil intact (scalping only) during pipeline construction, where practicable;

- using appropriate erosion and sedimentation control techniques including, but not limited to, diversion terraces, riprap, and matting;
- promptly revegetating disturbed areas using adapted species;
- applying temporary erosion control measures such as temporary vegetation cover, application of mulch, netting, or soil stabilizers; and/or
- constructing barriers, as appropriate, to minimize wind and water erosion and sedimentation prior to vegetation establishment.
- 6. Appropriate erosion control and revegetation measures will be employed. Grading and landscaping will be used to minimize slopes, and water bars will be installed on disturbed slopes in areas with unstable soils where seeding alone may not adequately control erosion. Erosion control efforts will be monitored by the Companies and necessary modifications made to control erosion.
- 7. Sufficient topsoil or other suitable material to facilitate revegetation will be segregated from subsoils during all construction operations requiring excavation and will be returned to the surface upon completion of operations. Soils compacted during construction will be ripped and tilled as necessary prior to reseeding. Cut and fill sections on all roads and along pipelines will be revegetated with native species.
- 8. Any accidental soil contamination by spills of petroleum products or other hazardous materials will be cleaned up by the Companies and the soil disposed of or rehabilitated according to applicable rules.
- 9. BBC will restrict off-road vehicle (ORV) activity by employees and contract workers to the immediate area of authorized activity or existing roads and trails.

### 2.8 RECLAMATION

- 1. BBC's reclamation goals will emphasize: 1) protection of existing native vegetation; 2) minimal disturbance of the existing environment; 3) soil stabilization through establishment of ground cover; and 4) establishment of native vegetation consistent with land use planning.
- 2. All reclamation will be accomplished as soon as possible after the disturbance occurs with efforts continuing until a satisfactory revegetation cover is established.
- 3. Seed mixtures for reclaimed areas will be site-specific, composed of native species, and will include species promoting soil stability. A pre-disturbance species composition list will be developed if the site includes several different plant communities. Livestock palatability and wildlife habitat needs will be given consideration during seed mix formulation. BLM Manual 1745, Introduction, Transplant, Augmentation, and Reestablishment of Fish, Wildlife, and Plants, and Executive Order No. 11987, Exotic Organisms, will be used as guidance.
- 4. Interseeding, secondary seeding, or staggered seeding may be used to accomplish revegetation objectives. During rehabilitation of areas in important wildlife habitat, provision will be made for the establishment of native browse and forb species. Follow-up seeding or corrective erosion control measures will occur on areas where initial reclamation efforts are unsuccessful.
- 5. Any mulch used by BBC will be weed free and free from mold, fungi, or noxious weed seeds. Mulch may include native hay, small grain straw, wood fiber, live mulch, cotton, jute, synthetic netting, and

rock. Straw mulch will contain fibers long enough to facilitate crimping and provide the greatest cover.

- 6. BBC will be responsible for the control of all noxious weed infestations on disturbed surfaces. Aerial application of chemicals will be prohibited within 0.25 mile of special status plant locations, and hand application will be prohibited within 500 feet. Herbicide application will be monitored by the AO.
- 7. Recontouring and seedbed preparation will occur immediately prior to reseeding on the unused portion of wellpads, road ROWs, and entire pipeline ROWs outside of road ROWs. In the event of uneconomical wells, BBC will initiate reclamation of the entire wellpads, access road, and adjacent disturbed habitat as soon as possible. BBC assumes the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which results in the proper reclamation of disturbed lands. BBC will monitor reclamation to determine and ensure successful establishment of vegetation. No consent to termination of any bond will be given by the AO until all the terms and conditions of the approved permit(s) have been met.
- 8. Proper erosion and sediment control structures and techniques will be incorporated by the Companies into the design of wellpads, roads, pipelines, and other facilities. Revegetation using a BLM-approved, locally adapted seed mixture containing native grasses, forbs, and shrubs will begin in the first appropriate season following disturbance. Vegetation removed will be replaced with plants of equal forage value and growth form using procedures that include:
  - fall reseeding (September 15 to freeze-up), where feasible;
  - spring reseeding (April 30 May 31) if fall seeding is not feasible;
  - · deep ripping of compacted soils prior to reseeding;
  - surface pitting/roughening prior to reseeding;
  - utilization of native cool season grasses, forbs, and shrubs in the seed mix;
  - interseeding shrubs into an established stand of grasses and forbs at least one year after seeding;
  - appropriate, approved weed control techniques;
  - broadcast or drill seeding, depending on site conditions; and
  - fencing of certain sensitive reclamation sites (e.g., riparian areas, steep slopes, and areas within 0.5 mile of livestock watering facilities) as determined necessary through monitoring.
- 9. BBC will monitor noxious weed occurrence on the project area and implement a noxious weed control program in cooperation with BLM. Weed-free certification by county extension agents will be required for grain or straw used for mulching revegetated areas.

### 2.9 CANDIDATE PLANTS/SPECIAL STATUS PLANTS

- 1. Herbicide applications will be kept at least 500 feet from known special status plant species populations or other distances deemed safe by the AO.
- 2. Wellpads and associated roads and pipelines will be located to avoid or minimize impacts to areas of high value (e.g., special status plant species habitats, wetland/riparian areas).

### 2.10 WATERSHEDS

1. Crossings of ephemeral, intermittent, and perennial streams associated with road and utility line construction will generally be restricted until normal flows are established after spring runoff.

### 2.11 GEOLOGICAL/PALEONTOLOGICAL RESOURCES

- 1. Wells, pipelines, and ancillary facilities will be designed and constructed such that they will not be damaged by moderate earthquakes. Any facilities defined as critical according to the Uniform Building Code will be constructed in accordance with applicable Uniform Building Code Standards for Seismic Risk Zone 2B.
- 2. If paleontological resources are uncovered during surface-disturbing activities, BBC will suspend operations at the site that will further disturb such materials and immediately contact the AO, who will arrange for a determination of significance, and, if necessary, recommend a recovery or avoidance plan.

### 2.12 CULTURAL/HISTORICAL RESOURCES

- 1. BBC will follow the cultural resources and recovery plan for the project.
- 2. If cultural resources are located within frozen soils or sediments that preclude the possibility of adequately recording or evaluating the find, construction work will cease and the site will be protected for the duration of frozen soil conditions. Recordation, evaluation and recommendations concerning further management will be made to the AO following natural thaw. The AO will consult with the affected parties and construction work will resume once management of the threatened site has been finalized and the Notice to Proceed has been issued.
- 3. BBC will inform their employees, contractors and subcontractors about relevant federal regulations intended to protect archaeological and cultural resources. All personnel will be informed that collecting artifacts, including arrowheads, is a violation of federal law and that employees engaged in this activity may be subject to disciplinary action.

### 2.13 WATER RESOURCES

- 1. BBC will maintain a complete copy of the SPCC Plan at each facility if the facility is normally attended at least 8 hours per day, or at the nearest field office if the facility is not so attended (40 CFR 112.3(e)).
- 2. BBC will implement and adhere to SPCC Plans in a manner such that any spill or accidental discharge of oil will be remediated. An orientation will be conducted by the Companies to ensure that project personnel are aware of the potential impacts that can result from accidental spills, as well as the appropriate recourse if a spill does occur. Where applicable and/or required by law, streams at pipeline crossings will be protected from contamination by pipeline shutoff valves or other systems capable of minimizing accidental discharge.
- 3. If reserve pit leakage is detected, operations at the site will be curtailed, as directed by the BLM, until the leakage is corrected.
- 4. BBC will case and cement all gas wells to protect subsurface mineral and freshwater zones. Unproductive wells and wells that have completed their intended purpose will be properly abandoned and plugged using procedures identified by BLM (federal mineral estate) and/or WOGCC (state and fee mineral estate).

- 5. All water used in association with this project will be obtained from sources previously approved by the Utah State Engineer's Office.
- 6. Erosion-prone or high salinity areas will be avoided where practicable. Necessary construction in these areas will be timed to avoid periods of greatest runoff.
- 7. BBC will incorporate proper containment of condensate and produced water in tanks and drilling fluids in reserve pits, and will locate staging areas for storage of equipment away from drainages to prevent contaminants from entering surface waters.
- 8. Prudent use of erosion control measures, including diversion terraces, riprap, matting, temporary sediment traps, and water bars will be employed by the Companies as necessary. These erosion control measures will be used as appropriate to control surface runoff generated at wellpads. The type and location of sediment control structures, including construction methods, will be described in APD and ROW plans. If necessary, BBC may treat diverted water in detention ponds prior to release to meet applicable state or federal standards.
- 9. BBC will construct channel crossings by pipelines so that the pipe is buried at least 3 feet below the channel bottom.
- 10. Streams/channels crossed by roads will have culverts installed at all appropriate locations as specified in the BLM Manual 9112-Bridges and Major Culverts and Manual 9113-Roads. Streams will be crossed perpendicular to flow, where possible, and all stream crossing structures will be designed to carry the 25-year discharge event or other capacities as directed by the AO.
- 11. BBC will reshape disturbed channel beds to their approximate original configuration.
- 12. The disposal of all hydrostatic test water will be done in conformance with BLM Onshore Oil and Gas Order No. 7. BBC will comply with state and federal regulations for water discharged into an established drainage channel. The rate of discharge will not exceed the capacity of the channel to convey the increased flow. Waters that do not meet applicable state or federal standards will be evaporated, treated, or disposed of at an approved disposal facility.
- 13. BBC will prepare Storm Water Pollution Prevention Plans (SWPPPs) as required by WDEQ National Pollution Discharge Elimination System (NPDES) permit requirements on individual disturbances that exceed 5 acres in size or as required by future changes in regulations.
- 14. Any disturbances to wetlands and/or waters of the U.S. will be coordinated with the COE, and 404 permits will be secured as necessary prior to disturbance.
- 15. Where disturbance of wetlands, riparian areas, streams, or ephemeral/intermittent stream channels cannot be avoided, COE Section 404 permits will be obtained by BBC as required, and, in addition to applicable above-listed measures, the following measures will be applied where appropriate:
  - wetland areas will be crossed during dry conditions (i.e., late summer, fall, or dry winters);
  - streams, wetlands, and riparian areas disturbed during project construction will be restored to as
    near re-project conditions as practical and, if impermeable soils contributed to wetland formation,
    soils will be compacted to reestablish impermeability;
  - wetland topsoil will be selectively handled;
  - disturbed areas will be recontoured and BLM-approved species will be used for reclamation; and

 reclamation activities will begin on disturbed wetlands immediately after completion of project activities.

### **2.14 NOISE**

1. All engines required for project activities will be properly muffled and maintained in accordance with state and federal laws.

### 2.15 WILDLIFE, FISHERIES, AND THREATENED AND ENDANGERED (T&E) SPECIES

- To minimize wildlife mortality due to vehicle collisions, BBC will advise project personnel regarding
  appropriate speed limits in the project area. Roads no longer required for operations will be reclaimed
  as soon as possible. Potential increases in poaching will be minimized through employee and
  contractor education regarding wildlife laws. If wildlife law violations are discovered, the offending
  employee will be subject to disciplinary action by BBC.
- 2. BBC will protect (e.g., fence or net) reserve, workover, and production pits potentially hazardous to prohibit wildlife access as directed by BLM.
- 3. BBC will utilize wildlife-proof fencing on reclaimed areas in accordance with standards specified in BLM Handbook 1741-1, *Fencing*, if it is determined that wildlife are interfering with successful reestablishment of vegetation.
- 4. Consultation and coordination with USFWS and UDWR will be conducted for all mitigation activities relating to raptors and T&E species and their habitats, and all permits required for movement, removal, and/or establishment of raptor nests will be obtained.
- 5. BBC will adhere to all survey, mitigation, and monitoring requirements identified in the Biological Assessment prepared for this project.

### 2.16 LIVESTOCK/GRAZING MANAGEMENT

- 1. BBC will reclaim nonessential areas disturbed during construction activities in the first appropriate season after well completion.
- 2. Nonessential areas include portions of the wellpads not needed for production operations, the borrow ditch and outslope portions of new road ROWs, entire pipeline ROWs outside of road ROWs, and all roads and associated disturbed areas at nonproductive wells.
- 3. BBC will repair or replace fences, cattleguards, gates, drift fences, and natural barriers to current BLM standards. Cattleguards will be used instead of gates for livestock control on most road ROWs. Livestock will be protected from pipeline trenches, and livestock access to existing water sources will be maintained.
- 4. BBC will review livestock impacts from roads or disturbance from construction and drilling activities at least annually with livestock permittees and BLM. Appropriate measures will be taken to correct any adverse impacts, should they occur.

### 2.17 RECREATION

- 1. BBC will instruct employees, contractors, and subcontractors that camp sites on federal lands or at federal recreation sites must not be occupied for more than 14 consecutive days.
- 2. BBC will require that employees, contractors, and subcontractors abide by all state and federal laws and regulations regarding hunting.

#### 2.18 VISUAL RESOURCES

- 1. Pipeline ROWs will be located within existing ROWs whenever possible, and aboveground facilities not requiring safety coloration will be painted with appropriate nonreflective standard environmental colors (Carlsbad Canyon or Desert Brown, or other specified standard environmental colors) as determined by the AO. Topographic screening, vegetation manipulation, project scheduling, and traffic control procedures may all be employed, as practicable, to further reduce visual impacts.
- 2. Within VRM Class II areas, BBC will utilize existing topography to screen roads, pipeline corridors, drill rigs, wells, and production facilities from view where practicable. The Companies will paint all aboveground production facilities with appropriate colors (e.g., Carlsbad Canyon or Desert Brown) to blend with adjacent terrain, except for structures that require safety coloration in accordance with OSHA requirements.

#### 2.19 HEALTH AND SAFETY/HAZARDOUS MATERIALS

- 1. BBC will utilize BLM-approved portable sanitation facilities at drill sites; place warning signs near hazardous areas and along roadways; place dumpsters at each construction site to collect and store garbage and refuse; ensure that all refuse and garbage is transported to a State-approved sanitary landfill for disposal; and institute a Hazard Communication Program for its employees and require subcontractor programs in accordance with OSHA (29 CFR 1910.1200).
- 2. In accordance with 29 CFR 1910.1200, a Material Safety Data Sheet for every chemical or hazardous material brought on-site will be kept on file BBC's field offices.
- 3. Chemicals and hazardous materials will be inventoried and reported by BBC in accordance with the SARA Title III (40 CFR 335). If quantities exceeding 10,000 pounds or the threshold planning quantity are to be produced or stored, BBC will submit appropriate Section 311 and 312 forms at the required times to the State and County Emergency Management Coordinators and the local fire departments.
- 4. BBC will transport and/or dispose of any hazardous wastes, as defined by the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, in accordance with all applicable federal, state, and local regulations.
- 5. BBC commits to the following practices regarding hazardous material containment.
  - All storage tank batteries that contain any oil, glycol, produced water, or other fluid which may
    constitute a hazard to public health or safety will be surrounded by a secondary means of
    containment for the entire contents of the largest single tank in use plus freeboard for
    precipitation, or to contain 110% of the capacity of the largest vessel. The appropriate
    containment and/or diversionary structures or equipment, including walls and floor, will contain

any oil, glycol or produced water and shall be constructed so that any discharge from a primary containment system, such as a tank or pipe, will not drain, infiltrate, or otherwise escape to ground or surface waters before cleanup is completed.

- Treaters, dehydrators and other production facilities that have the potential to leak or spill oil, glycol, produced water, or other fluid which may constitute a hazard to public health or safety, shall be placed on or within appropriate containment and/or diversionary structure to prevent spilled or leaking fluid from reaching ground or surface waters. The appropriate containment and/or diversionary structure will be sufficiently impervious to oil, glycol, produced water, or other fluid and will be installed so that any spill or leakage will not drain, infiltrate, or otherwise escape to ground or surface waters prior to completion of cleanup.
- Notice of any spill or leakage, as defined in BLM NTL 3A, will be immediately reported to the AO by the Companies as well as to such other federal and state officials as required by law. Oral notice will be given as soon as possible, but within no more than 24 hours, and those oral notices will be confirmed in writing within 72 hours of any such occurrence.

# DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Con	Name of Company: BILL BARRETT CORPORATION					
Well Name: PPU FED 12-26D-12-16						
Api No <u>:</u>	43-007-314	108	_Lease T	Гуре:	FEDERAL	
Section 26	_Township	12S Range	16E	_County	CARBON	
Drilling Con	tractor <u>CR</u>	AIG'S ROUSTA	BOUT	SERV R	IG #3	
SPUDDE	D:					
	Date	08/21/08				
	Time	5:00 AM				
	How	DRY				
Drilling wi	II Commen	ce:		,		
Reported by		JOHN ]	FINDLA	Y VIA E-I	MAIL	
Telephone #_						
Date	08/21/08	Signed	CHD			

### STATE OF UTAH **DEPARTMENT OF NATURAL RESOURCES** DIVISION OF OIL, GAS AND MINING

ENTITY	ACTION	FORM

Operator:

**Bill Barrett Corporation** 

Operator Account Number: N 2165

Address:

1099 18th Street, Suite 2300

city Denver

zip 80202 state CO

Phone Number: (303) 312-8134

#### Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4300731406	Peter's Point Unit Federal 10-26D-12-16		SESW	26	128	16E	Carbon
Action Code	Current Entity Number	New Entity Number	s	Spud Date			tity Assignment Effective Date
KB	99999	2410	8	3/21/200	8	8	/25/08

Comments: To be spud by Craig's Roustabout setting conductor pipe only. This well will not begin continuous drilling WSMVD operations until September 2008. BHL = NWSE

Well 2

API Number	Well Name Peter's Point Unit Federal 11-26D-12-16		QQ	Sec	Twp	Rng	County	
4300731407			300731407 Peter's Point Unit Federal 11-26D-12-16 SESW 2		26	128	16E	Carbon
Action Code	Current Entity Number	New Entity Number	s	Spud Date			Entity Assignment Effective Date	
*B	99999	2470	8/21/2008		8	lás 108		

Comments:

To be spud by Craig's Roustabout setting conductor pipe only. This well will not begin continuous drilling operations until September 2008.  $\mathcal{BH} = \mathcal{NESW}$ 

#### Well 3

API Number	Well	QQ	Sec	Twp	Rng	County		
4300731408 Peter's Point Unit Federal 12-26D-12-16	SESW	26	128	16E	Carbon			
Action Code	Current Entity Number	New Entity Number	S	pud Da	ud Date		Entity Assignment Effective Date	
¥B	99999	2470	8	3/21/200	8	8	125/08	

omments: To be spud by Craig's Roustabout setting conductor pipe only. This well will not begin continuous drilling  $\mathcal{BM} \setminus \mathcal{S} \cup \mathcal{$ 

#### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- Re-assign well from one existing entity to another existing entity
- Re-assign well from one existing entity to a new entity
- Other (Explain in 'comments' section)

Tracey Fallang

Name (Please Print)

**Environmental Analyst** 

Title

(5/2000)

RECEIVED

AUG 2 5 2008

(August 2007)

### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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e Serial No. 681

SUNDRY	NOTICES	AND REF	ORTS ON	WELLS
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Do not use this f		ORTS ON WELLS to drill or to re-enter an APD) for such proposals.	6. If Indian, Allottee or N/A	Tribe Name
SUBMIT	IN TRIPLICATE – Othe	r instructions on page 2.	7. If Unit of CA/Agreen Peter's Point/UTU-63	•
. Type of Well		8. Well Name and No.		
Oil Well Gas W	ell Other	Peter's Point Unit Fe	deral 12-26D-12-16	
2. Name of Operator Bill Barrett Corporation			9. API Well No. 43-007-31408	
Ba. Address		3b. Phone No. (include area code)	10. Field and Pool or E	
099 18th Street, Suite 2300 Denver, CO 80202		303-312-8134	Peter's Point/Wasato	
4. Location of Well (Footage, Sec., T.,) ESW, 301' FSL, 1502' FWL	R.,M., or Survey Descriptio	n)	11. Country or Parish,	State
Sec. 26, T12S-R16E			Carbon County, UT	·
12. CHEC	K THE APPROPRIATE B	OX(ES) TO INDICATE NATURE OF N	NOTICE, REPORT OR OTHE	R DATA
TYPE OF SUBMISSION		ТҮРЕ ОР	ACTION	
Notice of Intent	Acidize	Deepen	Production (Start/Resume)	Water Shut-Off
Notice of mient	Alter Casing	Fracture Treat	Reclamation	Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete	Other Weekly Activity
y subsequent report	Change Plans	Plug and Abandon	Temporarily Abandon	Report
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposal	
the proposal is to deepen direction Attach the Bond under which the v	ally or recomplete horizont work will be performed or proper and operations. If the opera Abandonment Notices mus	ertinent details, including estimated start ally, give subsurface locations and measu rovide the Bond No. on file with BLM/E ution results in a multiple completion or re to be filed only after all requirements, include	red and true vertical depths o BIA. Required subsequent rep ecompletion in a new interval	f all pertinent markers and zones. orts must be filed within 30 days , a Form 3160-4 must be filed once
Weekly drilling activity report from	0/31/08-11/6/08 (report	#s 2-3).		

tfallang CONFIDENTIAL

RECEIVED NOV 1 0 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.  Name (Printed/Typed)  Tracey Fallang	Title Regulatory Analyst						
Signature July Fallower	Date 11/06/2008						
THIS SPACE FOR FEDERAL OR STATE OFFICE USE							
Approved by	Title	Date					
Conditions of approval, if any, are attached. Approval of this notice does not warrant or ceithat the applicant holds legal or equitable title to those rights in the subject lease which wou entitle the applicant to conduct operations thereon.  Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any per	office	, B. Carlotte					

(Instructions on page 2)



Well : Peter's Point #12-26D-12-16

Phase/Area: West Tavaputs

Operations Date: 11/6/2008

Report #:

1036.00

API #/License Bottom Hole Display 43-007-31408 NWSW-26-12S-16E-W26M

Depth At 06:00: Estimated Total Depth:

Surface Location: SESW-26-12S-16E-W26M

Spud Date: 8/26/2008

Days From Spud:

Description

Morning Operations : Taged cmt & now cutting drill line.

Remarks:

DAYS SINCE LTA: 157 DAYS Safety Meeting Topic's: , Rigging up

DRILL WATER: USED DAILEY = 0 Bbl- TOTAL USED = 0

DIESEL:on Loc:= 3218 Gal - Dailey Use= 390 Gal.- Total

Used= 390 Gal -Mtr #1 ser#

Test Bop Pipe rams, blind rams, choke & kill valves, Hcr & kelly 250

Skid rig w/ Dawn trucking & rig up.

low 3000 high, Annular 250 low 1500 high, Csg 1500.

Pu directional tools & Bha, Tag cmt @ 780 6:00 AM

Nipple up Bop

Boiler 12 hrs

ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=

1700#

(Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1 28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROD

CSG on Racks= 8350 FT Total 4 1/2")

(Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 207

its on Loc

Well: Peter's Point #12-26D-12-16

Bottom Hole Display

NWSW-26-12S-16E-W26M

Phase/Area: West Tavaputs

API #/License

43-007-31408

Operations Date: 11/5/2008

Report #:

Depth At 06:00:

1036.00

Estimated Total Depth:

Surface Location: SESW-26-12S-16E-W26M

Spud Date: 8/26/2008

Days From Spud: 71

Morning Operations: Rig down & skid onto the Peters Point 12-26D-12-16

Remarks:

DAYS SINCE LTA: 156 DAYS Description

Safety Meeting Topic's: , Rigging down

DRILL WATER: USED DAILEY = 0 Bbl- TOTAL USED = 0

DIESEL:on Loc:= 3218 Gal - Dailey Use= 390 Gal.- Total

Used= 390 Gal -

Mtr #1 ser#

Boiler 12 hrs

ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=

1700#

(Recv'd 195 Jts 4.5"-11.6#-I-80-LTC Rng III Prod Csg+ 1 28' Mkr Jt for Total of 198 Jts 4.5", 11.6#, I-80, LTC PROD

CSG on Racks= 8350 FT Total 4 1/2")

(Total of 9 Jts 4.5"-11.6#-I-80-LTC, Rng 3 off Racks)= 207 its on Loc

Time To

Time To

3:00 PM

8:00 PM

1:00 AM

2:30 PM

6:00 AM

Rig down & start to move w/ Dawn trucking, Moved out the front end & some of the out buildings until dark





### Daily Drilling Report P1 - 11/06/2008

<<09/09/2008

<11/05/2008

REPORT INFORMATION

Report #: 3

Report Date: 11/06/2008

**LOCATION INFORMATION** 

Phase/Area: West Tavaputs

Well Name: Peter's Point #12-26D-12-16

API/License #

UWI

43-007-31408

NWSW-26-12S-16E-W26M

**EVENT INFORMATION** 

Objective: Drill, equip, and complete a 7512' well into the Price River formation.

FINANCIALS

AFE #: 15190D

AFE(\$): \$3,250,390

Day Cost: \$21,450

Cost to Date: \$303,222

**PROGRESS** 

Days from Spud: 72

Progress: 0.00 ft

Est. Total Depth: 0.00 ft

MD at Report Time: 1036.00 ft

Rig on Location(days): 3

**OPERATIONS** 

A.M. Ops: Taged cmt & now cutting drill line.

Ops Forecast: cut drill line, Drill cmt float & shoe, Drill 8.75

24hr. Summary: Skid rig & rig up, Nipple up & test Bop, Pu Bha, Cut Drill line

Well Status:

**ELEVATIONS** 

KB Elevation: 7177.5 ft

KB to GL: 15.5 ft

GL: 7162.0 ft

**EVENT DATES** 

Spud Date

Spud Time

Rig Released Rig Released Date Time

Finished **Drilling Date**  Resume Drilling Date

Suspended **Drilling Date** 

08/26/2008

TIME BREAKDOWN

Start Time: 06:00 AM

Total Hours: 24.00

Rotating Hours: 0.00

Total Rotating Hours: 0.00

From (Time) 06:00

(Time)

To

Hours

Time Category

**Trouble** Description

Description

9.00 RU/TEAR 3:00 AMPM DOMN

Skid rig w/ Dawn trucking & rig up.

3:00 PM	8:00 PM	5.00	NU BOP	Nipple up Bop
8:00 PM	01:00 AM	5.00	TEST BOP	Test Bop Pipe rams, blind rams, choke & kill valves, Hcr & kelly 250 low 3000 high, Annular 250 low 1500 high, Csg 1500.
01:00 AM	06:00 AM	5.00	TRIPS	Pu directional tools & Bha, Tag cmt @ 780

#### **RIG INFORMATION**

Rig(s) for today:

### CONTACTS

Superintendent: Jack Findlay Phone #: 435-613-0429
Supervisor: Lynn Rich Phone #: 281-833-2843
Wellsite Geologist: Jim Kinser Phone #: 303 312-8163

SAFETY

Last BOP Drill Date: 11/06/2008 Last BOP Test(F) Date: 11/05/2008

METRIC|US|MIXED

Report by Webcore - Build 4.3.10.15 - Decision Dynamics Technology Ltd. - Tech Support: 1-866-481-2741 (toll free)

### Form 3160-5 (August 2007)

# τταιιαng CONFIDENTIAL

### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

>			TZ.
	(( ))		OVED
	<b>\</b> //	QNB No. 10	4-0137
		Expires: July	31, 2010

1	13. Lease Serial INU.	
2	TEITH OCOA	
ı	1010-0001	
ı	UTU-0681	

1	1 3	7.				
1	16 1	fine	lian	Allottee	or Tribe	Nan

	form for proposals t Use Form 3160-3 (A				N/A	THE NAME
Table 11 The Page 2.					7. If Unit of CA/Agree Peter's Point/UTU-6	ement, Name and/or No. 3014
Oil Well Gas W	/ell				8. Well Name and No. Peter's Point Unit Fe	ederal 12-26D-12-16
Name of Operator     Bill Barrett Corporation					9. API Well No. 43-007-31408	
3a. Address 1099 18th Street, Suite 2300	<del></del>	3b. Phone No.	(include area co	de)	10. Field and Pool or I	
Denver, CO 80202		303-312-8134			Peter's Point/Wasato	ch-Mesaverde
4. Location of Well (Footage, Sec., T.,, SESW, 301 FSL, 1502 FWL Sec. 26, T12S-R16E	R.,M., or Survey Description	)			11. Country or Parish, Carbon County, UT	State
12. CHEC	K THE APPROPRIATE BO	X(ES) TO IND	ICATE NATUR	E OF NOTIO	CE, REPORT OR OTHE	ER DATA
TYPE OF SUBMISSION			TY	PE OF ACT	TON	
Notice of Intent  ✓ Subsequent Report	Acidize Alter Casing Casing Repair	=	en ure Treat Construction	Recl	amation  mplete	Water Shut-Off Well Integrity ✓ Other Weekly Activity
Subsequent Report	Change Plans	Plug :	and Abandon	Tem:	porarily Abandon	Report
Final Abandonment Notice	Convert to Injection	Plug l	Back	☐ Wate	er Disposal	
the proposal is to deepen directions. Attach the Bond under which the w following completion of the involv testing has been completed. Final determined that the site is ready for Weekly drilling activity report from 1	vork will be performed or proed operations. If the operation Abandonment Notices must be final inspection.)  1/7/08-11/12/08 (report #'s	ovide the Bond Non results in a more filed only after	lo, on file with E ultiple completic	BLM/BIA. For or recomp	Required subsequent repoletion in a new interval.	orts must be filed within 30 days a Form 3160-4 must be filed once
Name (Printed/Typed) Tracey Fallang	ara contoci,		ma Damulata			
/			Title Regulato	ory Anaryst	<u></u>	
Signature Maluf	fallang		Date 11/12/20	008	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
U	THIS SPACE	FOR FEDE	RAL OR ST	ATE OF	FICE USE	
Approved by			Tidle			
Conditions of approval, if any, are attached that the applicant holds legal or equitable to entitle the applicant to conduct operations	tle to those rights in the subject	t lease which wo	uld Office			ate .
Title 18 U.S.C. Section 1001 and Title 43 fictitious or fraudulent statements or repre	U.S.C. Section 1212, make it a sentations as to any matter wit	crime for any pe	rson knowingly a	nd willfully to	o make to any department	ECENCED ed States any false



Well: Peter's Point #12-26D-12-16

Phase/Area: West Tavaputs

Operations Date: 11/8/2008

Report #:

5

Bottom Hole Display NWSW-26-12S-16E-W26M API #/License

Depth At 06:00:

3473.00

43-007-31408

Estimated Total Depth:

Surface Location: SESW-26-12S-16E-W26M

Spud Date: 8/26/2008

Days From Spud: 74

Morning Operations : Drilling @ 3473

Remarks:

Time To

Description

4:00 PM

Drill f/ 2181 to 2778, 33.69 inc, 328.02 az

4:30 PM

Rig service, function pipe rams

6:00 AM

Drill f/ 2778 to 3473, 30.63 inc, 334.52 az

DAYS SINCE LTA: 159 DAYS

Safety Meeting Topic's: , Working rig floor

DRILL WATER: USED DAILEY= 0 Bbl- TOTAL USED=

1420 Bbls

DIESEL:on Loc:= 7441 Gal - Dailey Use= 956 Gal.- Total

Used= 2500 Gal -

Mtr #1 ser# 6117, 6.5, .16 Hrs = 42

Boiler 12 hrs

ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=

1700

Well: Peter's Point #12-26D-12-16

Phase/Area: West Tavaputs

API #/License

Operations Date: 11/7/2008

Report #:

Depth At 06:00:

2181.00

Bottom Hole Display NWSW-26-12S-16E-W26M

43-007-31408

Estimated Total Depth:

Surface Location: SESW-26-12S-16E-W26M

Spud Date: 8/26/2008

Days From Spud:

Description

73

Morning Operations: Drilling @ 2181

Remarks:

DAYS SINCE LTA: 158 DAYS

Safety Meeting Topic's: , Cutting drill line

DRILL WATER: USED DAILEY = 1420 Bbl- TOTAL

USED= 1420 Bbls

DIESEL:on Loc:= 8397 Gal - Dailey Use= 1200 Gal.- Total

Used= 1200 Gal -

Mtr #1 ser# 6117, 6.5, .16 Hrs = 18.5

Boiler 12 hrs

ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=

1700

Time To

8:00 AM

Slip & cut 34 wraps drill line.

10:00 AM

11:00 AM

Install rot head & check surface equipment. Drill Cmt float & shoe f/ 780 to 1036

4:30 PM

Drill f/ 1036 to 1358, 6.81 inc 345 az

5:00 PM 6:00 AM

Drill f/ 1358 to 2181, 23.81 inc 332.52

Rig service, function pipe rams, Bop drill 1 min 40 sec.



Well : Peter's Point #12-26D-12-16

Bottom Hole Display

Phase/Area: West Tavaputs

API #/License

Operations Date: 11/10/2008

Report #:

Depth At 06:00: 4918.00

Estimated Total Depth:

NWSW-26-12S-16E-W26M 43-007-31408

Surface Location: SESW-26-12S-16E-W26M

Spud Date: 8/26/2008

Days From Spud:

Tooh f/ hole in pipe, Work tight hole f/ 4600 to 3600, hole in btm of

Morning Operations : Drilling @ 4918

Time To

12:00 PM

1:00 PM

6:00 PM

8:00 PM

6:00 AM

Time To

3:00 PM

3:30 PM

6:00 AM

Remarks:

DAYS SINCE LTA: 161 DAYS Description

Safety Meeting Topic's: , Working on pumps DRILL WATER: USED DAILEY= 930 Bbl- TOTAL USED=

2350 Bbls

DIESEL:on Loc:= 4941 Gal - Dailey Use= 1339 Gal.- Total

Used= 5000 Gal -

Mtr #1 ser# 6117, 6.5, .16 Hrs = 81.5

Boiler 12 hrs

ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=

1700

Well : Peter's Point #12-26D-12-16

Bottom Hole Display

stand 22 in slip area.

Drill f/ 4478 to 4657, 30.13 inc 332.27 az

Psi loss 400lb check surface equipment.

Check psi & Tih, wash 90' to btm no fill

Drill f/ 4657 to 4918, 23.63 inc 333.02 az

NWSW-26-12S-16E-W26M

Drill f/ 3473 to 3945, 32.06 inc 332.27 az

Drill f/ 3945 to 4478, 32.44 inc 331.14 az

Rig service, function pipe rams

Phase/Area: West Tavaputs

API #/License

43-007-31408

Version 4.3.12

Operations Date: 11/9/2008

Report #:

Depth At 06:00: 4478.00

Estimated Total Depth:

Spud Date: 8/26/2008

Surface Location: SESW-26-12S-16E-W26M

Days From Spud:

Description

Morning Operations : Drilling @ 4478

Remarks:

DAYS SINCE LTA: 160 DAYS

Safety Meeting Topic's: , Air hoist DRILL WATER: USED DAILEY= 930 Bbl- TOTAL USED=

2350 Bbls

DIESEL:on Loc:= 6280 Gal - Dailey Use= 1161 Gal.- Total

Used= 3661 Gal -

Mtr #1 ser# 6117, 6.5, .16 Hrs = 65.5

Boiler 12 hrs

ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=

1700



Well: Peter's Point #12-26D-12-16

Phase/Area: West Tavaputs

Operations Date: 11/12/2008

Report #:

Depth At 06:00:

9

6098.00

Bottom Hole Display API #/License

NWSW-26-12S-16E-W26M 43-007-31408

Estimated Total Depth:

Surface Location: SESW-26-12S-16E-W26M

Spud Date: 8/26/2008

Davs From Spud:

Morning Operations : Drilling @ 6098

Remarks:

Time To

Description

4:30 PM

Drill f/ 5674 to 5957, 7.06 inc 338.14 az

5:00 PM

Rig service, function pipe rams, Bop drill 2 min

6:00 PM

Drill f/ 5957 to 5988, Mwd failed

11:00 PM

Tooh f/ new MWD tools, bit & mtr, function blind rams.

2:30 AM

Tih to 5948, wash 40' to btm 2' fill

6:00 AM

Time To

5:30 PM

6:00 PM

6:00 AM

Drill f/ 5988 to 6098, 6.19 inc 339.89 az.

DAYS SINCE LTA: 163 DAYS

Safety Meeting Topic's: , Bop drill

DRILL WATER: USED DAILEY= 340 Bbl- TOTAL USED=

3290 Bbls

DIESEL:on Loc:= 1984 Gal - Dailey Use= 1984 Gal - Total

Used= 8448 Gal -

Mtr #1 ser# 6117, 6.5, .16 Hrs = 116.5

Mtr #2 ser # 6.5 .16 Hrs = 3.5

Boiler 12 hrs

ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=

Depth At 06:00:

1700

Well: Peter's Point #12-26D-12-16

Phase/Area: West Tavaputs

Operations Date: 11/11/2008

Report #:

8

5674.00

Bottom Hole Display API #/License NWSW-26-12S-16E-W26M 43-007-31408

Description

Estimated Total Depth:

Surface Location: SESW-26-12S-16E-W26M

Drill f/ 4918 to 5327, 16.06 inc, 337.02 az

Drill f/ 5327 to 5674, 11.44 inc 338.89 az

Spud Date: 8/26/2008

Days From Spud:

Rig service, function pipe rams, Bop drill 1 min 53 sec.

Morning Operations : Drilling @ 5674

Remarks:

DAYS SINCE LTA: 162 DAYS

Safety Meeting Topic's: , Rotory table

DRILL WATER: USED DAILEY = 600 Bbi- TOTAL USED =

2950 Bbls

DIESEL:on Loc:= 3477 Gal - Dailey Use= 1464 Gal.- Total

Used= 6464 Gal -

Mtr #1 ser# 6117, 6.5, .16 Hrs = 105

Boiler 12 hrs

ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=

1700

#### Form 3160-5 (August 2007)

(Instructions on page 2)

# tfallang CONFIDENTIAL

### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Do not use this form for proposals to drill or to re-enter an

SUNDRY NOTICES AND REPORTS ON WE

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

5. Lease Serial No.

N/A

6. If Indian, Allottee or Tibe Name

apandoned well.	use Form 3160-3 (A	PD) for such pr	oposais.					
SUBMIT IN TRIPLICATE – Other instructions on page 2.					7. If Unit of CA/Agreement, Name and/or No. Peter's Point/UTU-63014			
1. Type of Well								
Oil Well Gas W				8. Well Name and No. Peter's Point Unit Federal 12-26D-12-16				
2. Name of Operator Bill Barrett Corporation					9. API Well No. 43-007-31408			
3a. Address 1099 18th Street, Suite 2300	3b. Phone No. (include area code) 303-312-8134			10. Field and Pool or Exploratory Area Peter's Point/Wasatch-Mesaverde				
			ing.		11. Country or Parish, State			
4. Location of Well <i>(Footage, Sec., T.,,</i> SESW, 301' FSL, 1502' FWL Sec. 26, T12S-R16E	<b>,</b>			Carbon County, UT				
12. CHEC	CK THE APPROPRIATE BO	X(ES) TO INDICATI	E NATURE OF N	OTIC	E, REPORT OR OTHE	R DA	TA	
TYPE OF SUBMISSION	ACT	ION						
Notice of Intent	Acidize	Deepen		Produ	luction (Start/Resume)		Water Shut-Off	
rouce of mone	Alter Casing	Fracture Treat Reclamation			Well Integrity			
Subsequent Report	Casing Repair	New Constr	uction	Reco	mplete	$\checkmark$	Other Weekly Activity	
y Subsequent Report	Change Plans	Plug and At	oandon	Temporarily Abandon		Report		
Final Abandonment Notice	Convert to Injection	Plug Back		Wate	r Disposal			
following completion of the involvement of the involvement of the site is ready for the	Abandonment Notices must or final inspection.)	be filed only after all r	equirements, incl	uding	reclamation, have been	comp	leted and the operator has	
			·				•	
					•			
					· · · · · · · · · · · · · · · · · · ·			
14. I hereby certify that the foregoing is Name (Printed/Typed)	true and correct.	Trial	Regulatory A	nalvet				
Tracey Fallang		1100	Regulatory	laiyot				
Signature Hally Fallance			Date 11/21/2008					
THIS SPACE FOR FEDERAL OR STATE OFFICE USE								
Approved by								
			Title			Date		
Conditions of approval, if any, are attach that the applicant holds legal or equitable entitle the applicant to conduct operation	e title to those rights in the subj s thereon.	ect lease which would	Office					
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.								

NOV 2 5 2008



Well: Peter's Point #12-26D-12-16

Bottom Hole Display

Phase/Area: West Tavaputs

Operations Date: 11/14/2008

API #/License

Report #: Depth At 06:00: 7343.00

NWSW-26-12S-16E-W26M

43-007-31408

Estimated Total Depth:

Surface Location: SESW-26-12S-16E-W26M

Spud Date: 8/26/2008

Days From Spud:

Morning Operations : Drilling @ 7343

Remarks:

Time To

Description

5:00 PM

Drill f/ 6751 to 7061, .69 inc 282.14 az

5:30 PM

Rig service, function pipe rams

6:00 AM

Drill f/ 7061 to 7343, 1.0 INC 262.53 az

DAYS SINCE LTA: 165 DAYS

Safety Meeting Topic's: , Housekeeping

DRILL WATER: USED DAILEY= 510 Bbi- TOTAL USED=

3800 Bbls

DIESEL:on Loc:= 4605 Gal - Dailey Use= 740 Gal.- Total

Used= 10223 Gal -

Mtr #1 ser# 6117, 6.5, .16 Hrs = 116.5

Mtr #2 ser # 6.5 .16 Hrs = 50.5

Boiler 12 hrs

ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=

Well: Peter's Point #12-26D-12-16

Phase/Area: West Tavaputs

Operations Date: 11/13/2008

Report #:

10 Depth At 06:00: 6751.00

Bottom Hole Display NWSW-26-12S-16E-W26M

API #/License

43-007-31408

Estimated Total Depth:

Surface Location: SESW-26-12S-16E-W26M

Spud Date: 8/26/2008

Days From Spud:

Morning Operations : Drilling @ 6751

Time To

Description

5:00 PM

Drill f/ 6098 to 6462, 4.81 inc 328.89 az

5:30 PM

Rig service, function pipe rams, Bop drill 1 min 40 sec.

6:00 AM

Drill f/ 6462 to 6751, 3.25 inc 327.39 az

Remarks:

DAYS SINCE LTA: 164 DAYS

Safety Meeting Topic's: , Greasing crown & blocks

DRILL WATER: USED DAILEY= 0 Bbl- TOTAL USED=

3290 Bbls

DIESEL:on Loc:= 5345 Gal - Dailey Use= 1035 Gal.- Total

Used= 9483 Gal -

Mtr #1 ser# 6117, 6.5, .16 Hrs = 116.5

Mtr #2 ser # 6.5 .16 Hrs = 27

Boiler 12 hrs

ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=

1700

### REGULATORY DRILLING SUMMARY



Well: Peter's Point #12-26D-12-16

Bottom Hole Display

NWSW-26-12S-16E-W26M

Phase/Area: West Tavaputs

API #/License

43-007-31408

Operations Date: 11/16/2008

Report #:

Depth At 06:00:

13

7959.00

Estimated Total Depth:

Spud Date: 8/26/2008

Days From Spud:

Morning Operations : Rig up Franks Westates casing crew

Surface Location: SESW-26-12S-16E-W26M

Remarks:

Description

Time To 8:00 AM

Circ & cond f/ logs, 40 vis, 9.4 wt, 5.8 fl

12:30 PM

Tooh f/ logs, SLM = 7960.46

Circ to lay down, 40 vis 9.4 wt 5.4 fl

6:00 PM

Hold safety meeting, Rig up & log w/ Halliburton, Depth = 7950,

RWCH, SDL/DSN, HRI, Rig down Halliburton

9:00 PM

Tih to lay down Dp & Bha, wash 40' to btm 2' fill.

10:00 PM 5:30 AM

Hold safety meeting, rig up Halliburton & lay down Dp & Bha, Pull

6:00 AM

DAYS SINCE LTA: 167 DAYS

Safety Meeting Topic's: , Tripping pipe

DRILL WATER: USED DAILEY=640 Bbi- TOTAL USED=

4440 Bbls

DIESEL:on Loc:= 4003 Gal - Dailey Use= 1000 Gal.- Total

Used= 11846 Gal -

Mtr #1 ser# 6117, 6.5, .16 Hrs = 116.5

Mtr #2 ser # 6.5 .16 Hrs = 52.5

Mtr #3 ser # 6090 6.5, .16 Hrs= 11

Boiler 12 hrs

ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=

Rig up Franks Westates to run 4.5 csg.

Well : Peter's Point #12-26D-12-16

Bottom Hole Display

NWSW-26-12S-16E-W26M

Phase/Area: West Tavaputs

API #/License

43-007-31408

Operations Date: 11/15/2008

Report #:

7959.00

Depth At 06:00:

Estimated Total Depth:

Surface Location: SESW-26-12S-16E-W26M

Spud Date: 8/26/2008

Days From Spud:

Description

Morning Operations: Circ f/ logs

Remarks:

DAYS SINCE LTA: 166 DAYS

Safety Meeting Topic's: , MSDS

DRILL WATER: USED DAILEY= 0 Bbl- TOTAL USED=

3800 Bbls

DIESEL:on Loc:= 2102 Gal - Dailey Use= 1633 Gal.- Total

Used= 10846 Gal -

Mtr #1 ser# 6117, 6.5, .16 Hrs = 116.5

Mtr #2 ser # 6.5 .16 Hrs = 52.5

Mtr #3 ser # 6090 6.5, .16 Hrs=

Boiler 12 hrs

ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=

1700

Tooh f/ bit & mtr, lay down directional tools. Pu bit #3 & mtr, Tih to 7335, wash 40' to btm no fill.

4:30 PM Drill f/ 7375 to 7959, TD

3:30 AM 4:30 AM

Time To

8:00 AM

12:00 PM

Circ f/ short trip

6:00 AM

Short trip 10 stands, looks good

Drill f/ 7343 to 7375, 1.0 inc 263.52 az

### REGULATORY DRILLING SUMMARY



Well: Peter's Point #12-26D-12-16

Phase/Area: West Tavaputs

Operations Date: 11/18/2008

Report #:

7959.00

Bottom Hole Display API #/License NWSW-26-12S-16E-W26M

43-007-31408

Depth At 06:00; Estimated Total Depth:

Surface Location: SESW-26-12S-16E-W26M

Spud Date: 8/26/2008

Davs From Spud:

Finish cmt w/ Halliburton, Psi test lines to 5000 ok, Pump 10 bbl water spacer, 20 bbl superflush, 10 bbl water spacer, 1500 sx 50/50 poz cmt, 3% pot chloride, .75% Halad R-322, .2% FWCA, 3 lmb

silicate, .125lmb poly-e-flake, 1 lmb Granulite, 6,986 gal water,

Clean pits, Release rig @ 12:30 pm 11/17/2008

Displace w/ 140 bbl water, Bump plug @ 2600 psi, floats held, good

Nipple down & set slips, string wt 90k set slips @ 105k, looks good

Morning Operations: Rig down.

Time To

6:30 AM

8:30 AM

6:00 AM

12:30 PM

Remarks:

DAYS SINCE LTA: 169 DAYS Description

Safety Meeting Topic's: , Third party safety

DRILL WATER: USED DAILEY=0 Bbl- TOTAL USED=

DIESEL:on Loc:= 3218 Gal - Dailey Use= 1000 Gal.- Total

Used= 11846 Gal -

Mtr #1 ser# 6117, 6.5, .16 Hrs = 116.5 Mtr #2 ser # 6.5 .16 Hrs = 52.5

Mtr #3 ser # 6090 6.5, .16 Hrs= 11

Boiler 12 hrs

ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=

1700

Rig down to move off Peters point Well : Peter's Point #12-26D-12-16

Bottom Hole Display

NWSW-26-12S-16E-W26M

returns, no cmt returns.

Phase/Area: West Tavaputs

API #/License

43-007-31408

Operations Date: 11/17/2008

Report #: 14

Depth At 06:00:

7959.00

Estimated Total Depth:

Surface Location: SESW-26-12S-16E-W26M

Spud Date: 8/26/2008

Days From Spud:

Morning Operations: Cementing w/ Halliburton

Remarks:

DAYS SINCE LTA: 168 DAYS

Safety Meeting Topic's: , Third party safety

DRILL WATER: USED DAILEY=0 Bbl- TOTAL USED=

4440 Bbls

DIESEL:on Loc:= 3218 Gal - Dailey Use= 1000 Gal - Total

Used= 11846 Gal -

Mtr #1 ser# 6117, 6.5, .16 Hrs = 116.5

Mtr #2 ser # 6.5 .16 Hrs = 52.5

Mtr #3 ser # 6090 6.5, .16 Hrs= 11

Boiler 12 hrs

ACC PRESS=2800#-ANN PRESS=1400#- Manifold Press=

1700

#### CONFIDENTIAL FORM APPROVED Form 3160-5 UNITED STATES (August 2007) ARTMENT OF THE INTERIOR UREAU OF LAND MANAGEMENT 5. Lease Sea UTU-0681 IDRY NOTICES AND REPORTS ON WELLS 6. If Indian, Allottee or Tribe Name use this form for proposals to drill or to re-enter an N/A ndoned well. Use Form 3160-3 (APD) for such proposals. 7. If Unit of CA/Agreement, Name and/or No. SUBMIT IN TRIPLICATE - Other instructions on page 2. Peter's Point/UTU-63014 Well Name and No Oil Well Gas Well Other Peter's Point Unit Federal 12-26D-12-16 9. API Well No. 43-007-31408 2. Name of Operator Bill Barrett Corporation 10. Field and Pool or Exploratory Area 3a. Address 3b. Phone No. (include area code) 1099 18th Street, Suite 2300 Denver, CO 80202 Peter's Point/Wasatch-Mesaverde 303-312-8134 11. Country or Parish, State 4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SESW, 301' FSL, 1502' FWL Carbon County, UT Sec. 26, T12S-R16E 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Production (Start/Resume) Water Shut-Off Acidize Deepen Notice of Intent Well Integrity Alter Casing Fracture Treat Reclamation Other Weekly Activity Casing Repair New Construction Recomplete ✓ Subsequent Report Report Change Plans Plug and Abandon Temporarily Abandon Final Abandonment Notice Convert to Injection Plug Back Water Disposal 13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.) Weekly completion activity from 11/22/08-12/04/08 (report #1). Ran CBL, no further reports until completion operations resume (2009). 14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) **Tracey Fallang** Title Regulatory Analyst 12/04/2008 Signature THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by **Fitle** Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would Office entitle the applicant to conduct operations thereon. any department or agency of the United States any false, Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person kn fictitious or fraudulent statements or representations as to any matter within its jurisdiction (Instructions on page 2) **DEC 08 2008**

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DIV. OF OIL, GAS & MINING



Well Name: Peter's Point #12-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
NWSW-26-12S-16E-W26M	43-007-31408

Ops Date: 11/26/2008

Report #:

AFE #: 15190D

Summary: Move Schlumberger EL Truck in. Set up,

Pick up 3.60" gauge ring, CBL tools.RIH to 7843', Log up to 100', with 1000 PSI on well. CNT @ 170'.POOH Rig down. SWI

**End Time** 

8:00 AM

1:00 PM

SI

Rig up Schlumberger EL Truck up.PU 3.60" gauge ring, CBL tools RIH to 7843'. Log up to 100' with 1000 PSI on well. CMT @ 170'.

Description

POOH lay down EL yools. Rig down.

11:59 PM

# CONFIDENTIAL

tfallang

**UNITED STATES** 

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

BUKE	AO OF LAND MAN	AGEMENT			UTU-0681	
Do not use this form for proposals to drill or to re-enter an			6. If Indian, Allottee	e or Tribe Name		
			N/A			
abandoned well. U	se Form 3160-3 (A	PD) for su	ch proposals	s.		
SUBMIT	IN TRIPLICATE - Other	instructions o	n page 2.		Į	reement, Name and/or No.
1. Type of Well					Peter's Point/UTU	J-63014
Oil Well Gas We	ll Other					√o. Federal 12-26D-12-16
Name of Operator     Bill Barrett Corporation					9. API Well No. 43-007-31408	
3a. Address 1099 18th Street, Suite 2300		3b. Phone No.	(include area cod	le)	10. Field and Pool o	• •
Denver, CO 80202		303-312-813	1		Peter's Point/Was	
4. Location of Well <i>(Footage, Sec., T.,R.</i> , SESW, 301' FSL, 1502' FWL Sec. 26, T12S-R16E	,M., or Survey Description,	)		:	11. Country or Paris Carbon County, U	
12. CHECK	THE APPROPRIATE BO	X(ES) TO IND	ICATE NATURE	OF NOTIC	E, REPORT OR OT	HER DATA
TYPE OF SUBMISSION			TYF	PE OF ACT	ION	
Notice of Intent	Acidize	Deep	en	Produ	action (Start/Resume)	Water Shut-Off
Notice of intent	Alter Casing	Fract	ure Treat	Recla	mation	Well Integrity
[Z] Cultura R	Casing Repair	☐ New	Construction	Reco	nplete	Other Weekly Activity
Subsequent Report	Change Plans	=	and Abandon	_	orarily Abandon	Report
Final Abandonment Notice	Convert to Injection	Plug			r Disposal	
following completion of the involved testing has been completed. Final Al determined that the site is ready for f No activity, waiting on completions.	bandonment Notices must l	be filed only aft	er all requirements	s, including	reclamation, have be	en completed and the operator has
***STATE ONLY***					·	RECEIVED
						JAN 08 2009
						JAN 08 2003
						DIV. OF OIL, GAS & MINING
<ol> <li>I hereby certify that the foregoing is true Name (Printed/Typed)</li> <li>Tracey Fallang</li> </ol>	and correct.		Title Regulator	ry Analyst		
Signature Jally	Fallang		Date 01/05/200	09		
Ű	THIS SPACE	FOR FEDE	RAL OR STA	ATE OFF	ICE USE	
Approved by						
			Title			Date
Conditions of approval, if any, are attached that the applicant holds legal or equitable title entitle the applicant to conduct operations the	e to those rights in the subjec		ertify			, saw

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false,

(Instructions on page 2)

fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

# tfallang CONFIDENTIAL

### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

5. Lease Seria UTU-0681

	FORM APPROVED OMB No. 000 (0137) Expires: July 31, 010	PI	V
al No		1	<del></del>

SUNDRY NOTICES AND REP Do not use this form for proposals abandoned well. Use Form 3160-3 (A	6. If Indian, Allottee o N/A	r Tribe Name	
SUBMIT IN TRIPLICATE – Other  1. Type of Well	er instructions on page 2.	7. If Unit of CA/Agree Peter's Point/UTU-6	ement, Name and/or No. 3014
Oil Well Gas Well Other		8. Well Name and No. Peter's Point Unit Fe	
2. Name of Operator Bill Barrett Corporation		9. API Well No. 43-007-31408	
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202	3b. Phone No. (include area code) 303-312-8134	10. Field and Pool or E Peter's Point/Wasato	•
4. Location of Well <i>(Footage, Sec., T.,R.,M., or Survey Descriptio</i> SESW, 301' FSL, 1502' FWL Sec. 26, T12S-R16E	n)	11. Country or Parish, Carbon County, UT	State
12. CHECK THE APPROPRIATE B	OX(ES) TO INDICATE NATURE OF	NOTICE, REPORT OR OTHI	ER DATA
TYPE OF SUBMISSION	TYPE OI	F ACTION	
Notice of Intent  Acidize  Alter Casing  Casing Repair  Change Plans  Convert to Injection  Attach the Bond under which the work will be performed or problem or problem of the involved operations. If the operat testing has been completed. Final Abandonment Notices must determined that the site is ready for final inspection.)  Neekly completion activity report from 1/27/09 through 2/2/09	ertinent details, including estimated start ally, give subsurface locations and measurovide the Bond No. on file with BLM/E tion results in a multiple completion or retails the filed only after all requirements, include	ured and true vertical depths of BIA. Required subsequent repo ecompletion in a new interval,	f all pertinent markers and zones. orts must be filed within 30 days a Form 3160-4 must be filed once
		ם	RECEIVED FEB 0 5 2009 IV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.  Name (Printed/Typed)  Tracey Fallang  Titl	e Regulatory Analyst	
Signature Muy Fallancy Date	e 02/02/2009	
THIS SPACE FOR FEDERA	L OR STATE OFFICE USE	
Approved by	<b>-</b>	
	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	knowingly and willfully to make to any departr	nent or agency of the United States any false,



Well Name: Peter's Point #12-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
NWSW-26-12S-16E-W26M	43-007-31408

Ops Date: 1/27/2009

Report #:

10

AFE #: 15190D

Summary: SI. Schlumberger on Loc. Safety meet.

Clearfrac stage 1. BWWC EL stage 2. Frac #2 ClearFrac. EL stage 3. Start pumpin pressured up casing. Flow well to pit for 10 mins. Load & break pump Frac #3 LDC. Shut in. Drain equipment.

Opsco watch well over night.

**End Time** 8:00 AM

Shut in

8:01 AM

Schlumberger arriving on Loc. 10:45 AM

Start equipment. Safety Meeting. Safety on Loc. Frac. El work. Shut

Description

down loc if needed ..

11:20 AM

Pressure test pump lines. 7500 psi.

11:45 AM

Schlumberger Clear Frac stage 1 Price River 70Q frac. Load & Break @ 3,670 PSI @ 6.5 BPM. Linde CO2. Downhole: 26 tons. CO2 Cooldown: 4 tons. Avg. Rate: 22.9 BPM. Avg. pressure: 3310 PSI. Max. Rate: 29.5 BPM. Max. Pressure: 3,805 PSI. Max. Prop. con. 13.5 PPA. Total Fluid Pumped: 305 bbl. total sand pumped: 29403 lb. (20/40 Jordan) ISIP:3000 PSI. Frac Gradient: 0.83 psi/ft. Successfully flushed wellbore with 10 bbl over flush with 500 gal. fluid cap.

1:20 PM

BWWC EL stage 2 Price River. PU 8 ft. perf gun with Obsidian frac plug with Sol-U-plug. RIH correlate to short jt. run to setting depth set CFP @ 7500 ft. PU to perf depth. Schlumberger started pump downhole @ 2 BPM @ 3500 PSI. Perforated @ 7454-7462 keep pumping during POOH for 500 ft. Shut down pump. 3 JSPF, 120 phasing, 19 gram charges, .390 holes. POOH turn well over to frac.

Sand in setting tool.

1:35 PM

Schlumberger Clearfrac stage 2 Price River70Q. Load & break @4,880 PSI @ 5.1BPM. Avg. Rate: 22.9 BPM. Avg. Pressure: 4,670 PSI. Max. Rate: 30.8 BPM. Max. Pressure: 5.934 PSI. Linde CO2 Downhole: 20 tons. Cooldown: 3 TONS. Total Fluid pumped:

176 BBL. Total Sand in Formation: 22,500 lb. (20/40 Jordan-Unimin) ISIP: 4400 psi. Frac Gradient: 1.02 psi/ft. Successfully flushed wellbore with 10 bbl over flush with 500 gal. fluid cap.

3:00 PM

BWWC EL stage 3 LDC. PU HES Obsidian CFP with BIO plug. RIH correlate to short it. run to setting depth set CFP @ 7410 ft. PU to perf depth. Pump @ 2 BPM. down casing. Perforate @ 7353-7373, started out of hole perf guns sticky in sand. 3 JSPF, 120 phasing, 19 gram charges, .390 holes. Pumped total of 12 bbl. pressure

increased to 4500 psi.



Well Name: Peter's Point #12-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
NWSW-26-12S-16E-W26M	43-007-31408

Ops Date: 1/27/2009

Report #:

10

AFE #: 15190D

Summary: SI. Schlumberger on Loc. Safety meet.

Clearfrac stage 1. BWWC EL stage 2. Frac #2 ClearFrac. EL stage 3. Start pumpin pressured up casing. Flow well to pit for 10 mins. Load & break pump Frac #3 LDC. Shut in. Drain equipment. Opsco watch well over night.

End Time 4:00 PM Description

Schlumberger Frac stage 3 Lower Dark Canyon. Load & Break @ Pressure up casing pumps kicked out. made several attemps to pump into formation with no success. Open well to pit on 24/64 ck. for 10 mins. Shut in. started pumping at 8 BPM. was able to pump into formation. Increased rate to 15 BPM. started frac. Avg. Rate: 45.7 BPM. Avg. Pressure: 4,745 PSI. Max. Rate: 49.8 BPM. Max. Pressure: 5,749 PSI. Total Fluid Pumped: 427 BBL. Total Sand in Formation: 82,500 lb. (20/40 Jordan) Praxair Co2 Downhole 47 tons. CO2 Cooldown: 3 tons. ISIP: 3,600 PSI. Frac Gradient: 0.92 psi/ft. Successfully flushed wellbore with 10 bbl over flush with 500 gal. fluid cap.

4:20 PM

Shut in

5:30 PM

Pump slurry in frac tree. shut in. Drain equipment.

11:59 PM

01



Well Name: Peter's Point #12-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
NWSW-26-12S-16E-W26M	43-007-31408

Ops Date: 1/28/2009

Report #:

11

AFE #: 15190D

Summ	ary: SICP: 2000. BWWC EL stage 4 UDC. Tag sand fill @ 7060 ft. POOH 300 ft. T to pump sand down hole. POOH with E Flow casing through Opsco equip. Flus wellbore with KCL water and Chem. RI with EL.stage 4 tag sand @ 7256 ft. PL set CFP @ 7220. plug did not set. went down hole to 7254. POOH with EL. Pressure up casing to 6100 psi. held. Bleed off psi. RIH with perf guns. No short jt. to correlate to. Perf stage 4. Schlumberger frac stage 4.BWWC EL stage 5. Frac #5, Shut in for night.

End Time	Description
5:30 AM	SICP:2000 Opsco Monitor shut in
7:30 AM	BWWC EL stage 4 Upper Dark Canyon. PU HES Obsidian frac plug with Sol-U-plug with 10 ft. perf guns. RIH with Tag sand fill @ 7060 ft. 350 ft. sand fill. POOH with EL.
10:30 AM	Opsco flow back stages 1-3 to flow tanks.
11:00 AM	Schlumberger Pump casing flush 96 bbl pressured up to 5000psi. 14 bbl from flushing wellbore. Bleed off casing to 2000 PSI.
1:00 PM	BWWC EL stage 4 Upper Dark Canyon. PU plug and10 ft. perf guns . RIH tag sand fill at 7256 ft. PU to setting depth @ 7220 ft. Set CFP / Plug didnot set. RIH tag at 7254 ft. Did not shot perf guns ? if frac plug was on setting tool or not. POOH with tools. frac plug was off guns.
1:20 PM	Schlumberger Pressure up on CFP to 6100 PSI, held OK, bleed off to 2000 psi.
2:20 PM	BWWC RIH with 10 ft. perf guns. NO SHORT JT LEFT TO CORRELATE TO. Start pumping downhole @ 2 BPM. Perf stage 4 UDC @ 7190-7200, 3 JSPF, 120 phasing, 19 gram charges, .390 holes. POOH with EL tools. Turn well over to frac.
2:50 PM	Schlumberger Frac stage 4 Upper Dark Canyon 70Q Clearfrac. Load & Break @ 4880 psi @ 5,1 BPM. Avg. Rate: 34.4 BPM. Avg. Pressure: 3,882 PSI. Max. Rate:41.7 BPM. Max. Pressure: 4,553 PSI. Total Fluid Pumped: 334 BBLs. Total Sand in Formation:60,500 lb. (20/40 Jordan) Praxair CO2: 54 tons. ISIP 3,350:PSI. Frac Gradient:.90 psi/ft. Successfully flushed wellbore with 30Q 10 BBL over flush with 500 gal. fluid cap.
3:50 PM	BWWC EL stage 5 North Horn. PU 15 ft. perf guns. HES Obsidian CFP with Sol-U-Plug. RIH correlate to casing collars. Set CFP @ ft. PU start pumping at 2 BPM. Perforate @ 7025-7040, 3JSPF, 120 phasing, 19 gram charges, .390 holes. POOH turn well over to frac.
4:50 PM	Schlumberger Frac stage 5 North Horn 60Q foam frac. Load & Break @ 4,270 PSI @ 5.9 BPM. Avg. Rate: 20.1 BPM. Avg. Pressure: 4,554 PSI. Max Rate: 23.6 BPM. Max. Pressure: 6,072 PSI. Total Fluid Pumped: 12,648 gal. Total Sand in Formation: 51,455 lb. (20/40 Jordan) Linde CO2: 55 tons downhole COoldown 4 tons. ISIP: 3,680 PSI. Frac Gradient: .95 psi/ft. Successfully flushed wellbore with 30Q 10 bbl over flush with 500 gal fluid cap.

Shut in for night, Drain Equipment

SIFN

6:00 PM

11:59 PM



Well Name: Peter's Point #12-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
NWSW-26-12S-16E-W26M	43-007-31408

12

Ops Date: 1/29/2009

Report #:

AFE #: 15190D

Summary: SI: 1900. BWWC EL gamma Log tool.

POOH Safety meeting. PU HES CFP & Perf guns Perf stage 6. Schlumberger Frac #6. EL stage 7, Frac #7. El stage 8. Frac #8. El stage 9. Frac #9. Sl. RDMO well to 11-26D. Flow stages 1-9 through

Opsco equipment.

**End Time** 1:15 PM

Description

BWWC EL stage 9 North Horn. PU HES CFP with no Bio. with 11 ft. perf guns. RIH correlate, Run to setting depth set CFP @ 5900 ft. PU to perf depth. Start pumping @ 2 BPM. Perforate @ 5832-5840, & 5803-5806, 3 JSPF, 120 phasing, 19 gram charges, .390 holes. shut down pumping. POOH lay down tools.

1:45 PM

Schlumberger frac stage 9 North Horn 60Q Clearfrac. Load & Break @ 2,466 PSI @ 5.1 BPM. Avg. Rate: 20 BPM. Avg. Pressure: 3,376 PSI. Max. Rate: 23.1 BPM. Max. Pressure: 3,724 PSI. Total Fluid Pumped: 7,211 Gal. Total Sand in Formation: 22,978 lb. (20/40 Jordan) Linde CO2 Down hole: 26 tons. CO2 Cooldown: 5 tons. ISIP: 3000 PSI. Frac Gradient: .95 psi/ft. Successfully flushed wellbore with 30Q no over flush with 500 gal. fluid cap.

2:00 PM

3:00 PM

Rig frac off frac tree, and EL equipment. Move to 11-26D well.

11:59 PM

Opsco flow stages 1-9 through flow equipment.



Well Name: Peter's Point #12-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
NWSW-26-12S-16E-W26M	43-007-31408

12

Ops Date: 1/29/2009

Report #:

AFE #: 15190D

Summary: SI: 1900. BWWC EL gamma Log tool.

POOH Safety meeting. PU HES CFP & Perf guns Perf stage 6. Schlumberger Frac #6. EL stage 7, Frac #7. El stage 8. Frac #8. El stage 9. Frac #9. SI. RDMO well to 11-26D. Flow stages 1-9 through Opsco equipment.

End Time

Description

5:30 AM 7:00 AM

00 444 DIAMAG DI

SICP: 1900.

BWWC PU Gamma Log tool. RIH log & Correlate to perf stages 6-9. POOH lay down tool.

8:10 AM

BWWC stage 6 North Horn PU HES CFP with 20 ft perf guns. RIH corelate . Set CFP @ 6915 ft. PU Start Pumping fluid @ @ BPM. Perforate stage 6 North Horn @ 6850 to 6870, 3 JSPF, 120 phasing. 19 gram charges. >390 holes. Shut down pump. POOH with EL &

Tools, turn well over to frac.

9:00 AM

Schlumberger. frac stage 6 North Horn 60Q Clearfrac. Load & Break @ 2,226 PSI @ 5.6 BPM. Avg. Rate: 20.6 BPM. Avg. Pressure: 3,815 PSI. Max. Rate: 23.3 BPM. Max. Pressure: 3,815 PSI. Total Fluid Pumped:12,662 gal. Total Sand in Formation: 50,700 lb. (20-40 Jordan) Linde CO2 Downhole: 55 tons. CO2 Cooldown: 5 tons. ISIP: 3620 PSI. Frac Gradient: 96 psi/ft. Successfully flushed wellbore with 30Q 10 bbl over flush with 500

gal. fluid cap.

10:00 AM

BWWC EL stage 7 North Horn. PU HES CFP no Bio plug. with 11 ft. perf guns. RIH correlate. Run to setting depth set CFP @ 6285 ft. PU to perf depth. Start pumping @ 2 BPM. Perforate @ 6222-6228 & 6177-6182, 3 JSPF, 120 phasing, 19 gram charges, .390 holes. Stopped pumping fluid. POOH lay down tools. turn well over to frac.

10:40 AM

Schlumberger Frac stage 7 North Horn 60Q Clearfrac. Load & Break @ 2,741 PSI @ 5.5 BPM. Avg. Rate: 29.5 BPM. Avg. Pressure: 3,999 PSI. Max. rate: 34.5 BPM. Max. Pressure: 5,259 PSI. Total Fluid Pumped: 16,190 gal. Total Sand in Formation: 74,830 lb.(20/40 Jordan) Praxair CO2 Downhole: 50 tons. CO2 Cooldown: 3 tons. ISIP: 3,350 PSI. Frac Gradient: .97 psi/ft. Successfully flushed wellbore with 30Q 10 bbl over flush with 500

gal. fluid cap.

11:50 AM

BWWC EL stage 8 North Horn. PU HES CFP with no Bio. with 10 ft. perf guns. RIH correlate. Run to setting depth set CFP @ 6030 ft. PU to perf depth. Start pumping fluid @ 2 BPM. Perforate @ 5948-5958, 3 JSPF, 120 phasing, 19 gram charges, .390 holes. POOH lay down tools. Turn well to frac.

12:15 PM

Schlumberger frac stage 8 North Horn 60Q Clearfrac. Load & Break @ 2,888 PSI @ 5.4 BPM. Avg. Rate: 17 BPM. Avg, Pressure: 3,550 psi. Max. Rate: 19.4 BPM. Max. Pressure: 4,058 PSI. Total Fluid Pumped: 8,306 Gal. Total Sand in Formation: 27,195 lb. (20/40 Jordan) Praxair Co2 Downhole: 33 tons CO2 Cooldown: 4 tons. ISIP: 3200 PSI. Frac Gradient: .97 psi/ft. Successfully flushed

wellbore with 30Q 10bbl over flush with 500 gal. fluid cap.



Well Name: Peter's Point #12-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
NWSW-26-12S-16E-W26M	43-007-31408

Ops Date: 1/31/2009

Report #:

AFE #: 15190D

Summary: Flow back turn well to sales.

**End Time** 

Description

11:59 PM

flow to production sales. ( wait on coil tbg to drill CFPs.

Well Name: Peter's Point #12-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License			
NWSW-26-12S-16E-W26M	43-007-31408			

Ops Date: 1/30/2009

Report #:

13

AFE #: 15190D

Summary: FLOW STAGES 1-9 FCP: 300 psi. on

48 ck. recovered 358 bbl in 15.5 hours.

CO2: 5% gas rate: 2.065 MMCFD shut in

for two hours . open well try to open frac plugs if closed. No change in flow. flow

well through Opsco test unit.

**End Time** 

6:00 AM

Description Flow srtages 1-9 through Opsco test equipment. FCP: 300 psi on 48

ck. recovered 358 bbl in 15.5 hours. CO2 5%. Gas rate: 2.065

**MMCFD** 

11:59 PM

flow stages 1-9



Well Name: Peter's Point #12-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License
NWSW-26-12S-16E-W26M	43-007-31408

Ops Date: 2/2/2009

Report #:

16

AFE #: 15190D

Summary :	Production, MIRU Coil tub services. PU Weatherford Downhole motor and drag bit 3-7/8" Pressure test, pull test, test motor, RIH with coil and BHA, Tag CFP #1@ 5900 drill out. RIH tag CFP #2.@ 6030 Drill out. RIH tag & drill #3 @ 6295. RIH tag @ 6915 drikk out, RIH tag @ 7025 top perf on stage 5N.H. CFP @ 7080 hard drilling. RIH tag @ 7190 top perf stage 4 UDC .2 hours to drill to 7256 ft. drill sand & CFP to 7265 two hours for 9 ft. POOH check bit and motor. Tested OK . Composite stuck in bit, Clean bit. RIH with same BHA. tage drill composite and sand. RIH tag & drill CFP @ 7410. RIH tag last frac plug @ 7500 ft. drill out. no pressure change or flow rate change, FCP: avg. 150 psi. light trace of sand.

PU ag	End Time	Description
_	2:00 AM	on Production
=P#	5:00 AM	MI coil unt and equipment Shut in well.
D 295	8:00 AM	nipple down Goat head. Nipple up and rig Coil unit
200 D	8:15 AM	Safety Meeting.
)	8:30 AM	Pressure test, Pull test. test motor.
top 256	10:00 AM	RIH with BHA, Coil tbg.
s for ted	11:00 AM	Tag CFP @ 5900 #1. Drill out pumping 500 SCFM N2 and 2 BPM. fluid. @ 300 psi. Pump sweep10 bbl.
t. osite	11:45 AM	RIH tag plug at top perf 5948. drill mout RIH tag CFP #2 @ 6030 ft. pump sweep 10 bbl.
0. I	1:00 PM	RIH tag CFP # 3 @ 6295 ft. Drill out pumping 2 BPM. with 500 SCFM. N2. pump sweep 5 bbl.
of	2:00 PM	RIH tag CFP #4 @ 5915 Drill out. pump sweep 10 bbl.
	3:45 PM	RIH tag fill @ 7024ft above perfs @ 7025. Hard drilling drilled down to 7080. CFP .light trace of sand
	5:45 PM	RIH tag and drill from 7190 to 7265 hard drilling. drilling on plug # 6 @ 7280 light trace of sand,
	6:45 PM	POOH to check bit and motor pumping 1.5 BPM and N2 @ 600 SCFM. Stuck Coil tbg @ 5800 ft. Pulled 50,000 lbs. pulled free (No Pressure changes during drill outs)
	7:30 PM	Test Motor OK Bit had composite stuck in it,
	8:05 PM	Trip in hole with same 3-7/8" drag bit Weatherforad Downhole motor.
	10:00 PM	tagged @ 7280 drilled drilled for 30 mins could not make hole. Cut N2. pumping 2 BPM fluid started making hole. drilled out sand and CFP. fall free 7300 ft,Pumped sweep.
	11:10 PM	RIH tag CFP @ 7410 drilled out pumping 700 SCFM N2 and 2 BPM fluid. No flow pressure change after drill out. light trace of sand and cmposite
	11:59 PM	RIH tagged sand fill at 7495, 5 ft fill. last CFP @ 7500 ft. pumping 700 SCFM. 2 BPM.

Well Name: Peter's Point #12-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License				
NWSW-26-12S-16E-W26M	43-007-31408				

Ops Date: 2/1/2009

Report #:

15

AFE #: 15190D

Summary: production sales. Road CTU from WYO.

to Peter Point.

**End Time** 

Description



5. Lease Serial No. UTU-0681

FORM APPROVED 6. If Indian, Allottee or Tribe Name

### SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to

Do not use this abandoned well.	N/A				
	IT IN TRIPLICATE – Other in	nstructions on page	2.	7. If Unit of CA/Agr Peter's Point/UTU	eement, Name and/or No.
1. Type of Well	<u></u>			8. Well Name and N	
Oil Well Gas	Well Other			Peter's Point Unit	o. Federal 12-26D-12-16
Name of Operator     Bill Barrett Corporation				9. API Well No. 43-007-31408	
3a. Address 1099 18th Street, Suite 2300	3	b. Phone No. (includ	le area code)	10. Field and Pool of	• •
Denver, CO 80202		803-312-8134		Peter's Point/Was	
4. Location of Well (Footage, Sec., T. SESW, 301' FSL, 1502' FWL Sec. 26, T12S-R16E	,R.,M., or Survey Description)		····	11. Country or Paris Carbon County, U	
12. CHE	CK THE APPROPRIATE BOX	(ES) TO INDICATE	NATURE OF N	OTICE, REPORT OR OT	HER DATA
TYPE OF SUBMISSION			TYPE OF	ACTION	
Notice of Intent	Acidize Alter Casing	Deepen Fracture Trea		Production (Start/Resume) Reclamation	Water Shut-Off Well Integrity
✓ Subsequent Report	Casing Repair	New Constru	=	Recomplete	Other
Final Abandonment Notice	Change Plans Convert to Injection	Plug and Aba		Temporarily Abandon Water Disposal	<del></del>
following completion of the invol testing has been completed. Final determined that the site is ready for This sundy is being submitted as no	ved operations. If the operation Abandonment Notices must be or final inspection.)	results in a multiple filed only after all re	completion or rec quirements, inclu	RECE	EIVED 5 2009
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		DIV. OF OIL, G	AS & MINÍNG
<ol> <li>I hereby certify that the foregoing is Name (Printed/Typed)</li> </ol>	true and correct.				
Tracey Fallang		Title	Regulatory Ana	llyst 	<del></del>
Signature Jawa	Fallanez	Date	02/02/2009		
	THIS SPACE FO	OR FEDERAL	OR STATE	OFFICE USE	
Approved by		T			
		l l	itle		Date
Conditions of approval, if any, are attache that the applicant holds legal or equitable entitle the applicant to conduct operations	title to those rights in the subject le	ot warrant or certify	Office		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false,

(Instructions on page 2)

fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

### CONFIDENTIAL **UNITED STATES** DEPARTMENT OF THE INTERIOR

any, are attached. Approval of this notice does not warrant or certify

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the

that the applicant holds legal or equitable title to those rights in the subject lease which would

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

BUR	EAU OF LAND MAN	IAGEMENT		5. Lease Serial No.		
Do not use this f	IOTICES AND REP form for proposals Use Form 3160-3 (A	ORTS ON WELLS to drill or to re-enter a NPD) for such propos		If Indian, Allottee on	or Tribe Name	
SUBMI	T IN TRIPLICATE - Other	r instructions on page 2.	1	•	ement, Name and/or 1	No.
1. Type of Well				Peter's Point/UTU-6  B. Well Name and No		
Oil Well  Gas W	/ell Other			see attached D	PU Fed 10-2	612-12-19
Name of Operator     Bill Barrett Corporation			1	API Well No.	007 31	708
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202		3b. Phone No. (include area of 303-312-8134	· · · · · · · · · · · · · · · · · · ·	l0. Field and Pool or Peter's Point/Wasa	- •	
4. Location of Well (Footage, Sec., T.,	R., M., or Survey Description	)	:	11. Country or Parish		
see attached				Carbon County, UT		
12. CHEC	K THE APPROPRIATE BO	DX(ES) TO INDICATE NATU	RE OF NOTICE	E, REPORT OR OTH	ER DATA	
TYPE OF SUBMISSION		Т	YPE OF ACTION	NC		
Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat	Produc	ction (Start/Resume) nation	Water Shut-O Well Integrity	
Subsequent Report	Casing Repair	New Construction	Recom	•	Other Revis	ed layout
Final Abandonment Notice	Change Plans Convert to Injection	☐ Plug and Abandon☐ Plug Back	and Availabil			
following completion of the involve testing has been completed. Final addetermined that the site is ready for This sundy is being submitted as a funitial testing would occur (or has occupant the initial test is performed, BBC).	Abandonment Notices must final inspection.) follow up to clarify testing/scurred) as soon as possibility would move to quarterly	be filed only after all requirement allocation methods for the at the after production is establise to testing, testing each well fo	ents, including re tached wells. shed and would	cclamation, have been	n completed and the op to get a baseline for	perator has
between tests. Revised site security	y diagrams will be submitte	ed as wells are completed.				
					COPY SENT TO O	PERATOR
					Date: 2:24	· 2NG
					Initials: KS	
14. I hereby certify that the foregoing is tr	ue and correct.		·			
Name (Printed/Typed) Tracey Fallang		Title Regula	itory Analyst			
Signature Jaly	Fallancy	Date 02/10/2	2009			
	THIS SPACE	FOR FEDERAL OR S	TATE OFFI	CE USE	·.	
Approved by	n #				<del> </del>	

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fictitious or fraudulent statements or representations as to any matter within its jurisdiction. (Instructions on page 2)

Conditions of approval, if

entitle the applicant to conduct operations thereon.

Federal Approva

Action is Necessary

WELL NAME	FIELD	COUNTY	QTR/QTR	SEC	TWN-RNG	FOO	TAG	E CAL	LS	LEASE #	# OF TANKS
PETERS POINT U FED 3-36-12-16	PETER'S POINT	CARBON	NENW	36	12S-16E	572	N	2184	W	UTU-04049	(2) Multiple Well Prod Tank
PETERS POINT U FED 4-36D-12-16	PETER'S POINT	CARBON	NENW	36	12S-16E	617	N	2202	W	UTU-04049	(1) Prod Tank (15-25D)
PETERS POINT U FED 15-25D-12-16	PETER'S POINT	CARBON	NENW	36	12S-16E	602	Ν	2195	W	UTU-0681	(1) Test Tank
PETERS POINT U FED 13-25D-12-16	PETER'S POINT	CARBON	NENW	36	12S-16E	588	N	2189	W	UTU-0681	(1) Blowdown Tank
PETERS POINT U FED 14-26D-12-16	PETER'S POINT	CARBON	SESW	26	12S-16E	225	S	1522	W	UTU-0681	The second se
PETERS POINT U FED 3-35D-12-16	PETER'S POINT	CARBON	SESW	26	12S-16E	208	S	1527	W	JTSL-07159!	
PETERS POINT U FED 15-26D-12-16	PETER'S POINT	CARBON	SESW	26	12S-16E	239	s	1518	W	UTU-0681	(4) Multiple Well Prod Tanks
PETERS POINT U FED 13-26D-12-16	PETER'S POINT	CARBON	SESW	26	12S-16E	254	s	1514	W	UTU-0681	(1) Test Tank
PETERS POINT U FED 10-26D-12-16	PETER'S POINT	CARBON	SESW	26	12S-16E	270	s	1510	W	UTU-0681	(1) Blowdown Tank
PETERS POINT U FED 11-26D-12-16	PETER'S POINT	CARBON	SESW	26	12S-16E	285	s	1506	w	UTU-0681	
PETERS POINT U FED 12-26D-12-16	PETER'S POINT	CARBON	SESW	26	12S-16E	301	s	1502	W	UTU-0681	
PETERS POINT U FED 6-35D-12-16	PETER'S POINT	CARBON	SENW	35	12S-16E	2044	N	2552	W	JTSL-07159	
PETERS POINT U FED 2-35D-12-16	PETER'S POINT	CARBON	SENW	35	12S-16E				7.0		(3) Multiple Well Prod Tanks
PETERS POINT U FED 1-35D-12-16	PETER'S POINT	CARBON	SENW	35	12S-16E	2090	N	2565	W	UTU-0681	(1) Test Tank
PETERS POINT U FED 7-35D-12-16	PETER'S POINT	CARBON	SENW	35	12S-16E	2106	N	2569	w	UTU-0681	(1) Blowdown Tank
PETERS POINT U FED 4-35D-12-16	PETER'S POINT	CARBON	SENW	35	12S-16E	2060	N	2556	w	JTSL-07159!	
PETER'S POINT U FED 16-27-12-16	PETER'S POINT	CARBON	SESE	27	12S-16E	1049	s	813	Ε	UTU-08107	
PETER'S POINT U FED 9-27D-12-16	PETER'S POINT	CARBON	SESE	27	12S-16E	1050	s	790	Е	UTU-08107	(2) Multiple Well Prod Tanks
PETER'S POINT U FED 15-27D-12-16	PETER'S POINT	CARBON	SESE	27	12S-16E	1063	s	799	E	UTU-08107	(1) Prod Tank (11-27D)
PETER'S POINT U FED 11-27D-12-16	PETER'S POINT	CARBON	SESE	27	12S-16E	1075	s	809	E	UTU-08107	(1) Test Tank (1) Blowdown Tank
PETER's POINT U FED 10-27D-12-16	PETER'S POINT	CARBON	SESE	27	12S-16E	1088	S	819	_	UTU-08107	(=) =:=::=@//// / (4/1/

### tfallang UNITED STATES DEPARTMENT OF THE INTI **BUREAU OF LAND MANAGEMEN**

FORM APPROVED OMB No. 1004-0137

5. Lease Serial UTO-0681 6. If Indian, Allottee or Tribe Name

# SUNDRY NOTICES AND REPORTS ON WELLS

abandoned well.						IN/A		
SUBMI	T IN TRIPLIC	CATE – Other	instructions (	on page 2.		1	eement, Name and/or No.	
1. Type of Well				Peter's Point/UTU				
Oil Well Gas Well Other						8. Well Name and N Peter's Point Unit	o. Federal 12-26D-12-16	
2. Name of Operator Bill Barrett Corporation						9. API Well No. 43-007-31408		
3a. Address			3b. Phone No	. (include area co	de)	10. Field and Pool or	Exploratory Area	
1099 18th Street, Suite 2300 Denver, CO 80202			303-312-813	34		Peter's Point/Wasa	atch-Mesaverde	
4. Location of Well (Footage, Sec., T., SESW, 301' FSL, 1502' FWL Sec. 26, T128-R16E	R., M., or Surv	vey Description,				11. Country or Parisl Carbon County, U	•	***
12. CHEC	K THE APPI	ROPRIATE BO	X(ES) TO INI	DIÇATE NATUR	E OF NOTIC	E, REPORT OR OTI	HER DATA	
TYPE OF SUBMISSION		<del></del>		TY	PE OF ACT	ION		
Notice of Intent	Acidi	ze	Dee	pen	Produ	action (Start/Resume)	Water Shut-Off	
Notice of Intent	Alter	Casing	Frac	ture Treat	Recla	mation	Well Integrity	
Subsequent Report	Casin	ıg Repair	☐ New	Construction	Reco	mplete	Other Weekly Activ	ity
Subsequent Report	Chan	ge Plans	Plug	and Abandon	Temp	orarily Abandon	Report	
Final Abandonment Notice	Conv	ert to Injection	Plug	Back	☐ Wate	r Disposal		
testing has been completed. Final a determined that the site is ready for Weekly completion activity report from the site is ready for the site is ready for weekly completion activity report from the site is ready for the site is ready for weekly completion activity report from the site is ready for the site is ready for the site is ready for weekly complete in the site is ready for the site is ready for weekly complete in the site is ready for weakly complete in the site is ready for weekly complete in the site is ready for weakly complete in the site is ready fo	final inspect	ion.) rough 2/10/09	•		is, including	reclamation, have bee	en completed and the operator h	as
Name (Printed/Typed)	ue and correct	i. '						
Tracey Fallang				Title Regulato	ory Analyst		· · · · · · · · · · · · · · · · · · ·	
Signature Macus	fallo	ne		Date 02/10/20	009			
	TH	IS SPACE I	OR FEDE	RAL OR ST	ATE OFF	ICE USE		
Approved by						-		
				Title			Date	
Conditions of approval, if any, are attached hat the applicant holds legal or equitable ti antitle the applicant to conduct operations t	tle to those rig						RECEIVE	<b>D</b>
Title 18 U.S.C. Section 1001 and Title 43 I	LS.C. Section	1212, make it a	crime for any p	erson knowingly ar	nd willfully to	make to any departme	nt or agency of the United States	any false

fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FEB 1 2 2009



Well Name: Peter's Point #12-26D-12-16

Phase/Area

West Tavaputs

Bottom Hole Display	API #/License	
NWSW-26-12S-16E-W26M	43-007-31408	

Ops Date: 2/3/2009

Report #:

AFE #: 15190D

Summary: Drill last CFP at 7500 ft. RIH clean rat

Hole to 7850 ft. circ for 25 mins, change rate up N2. POOH . SI. Rig CTS off well. Coil tbg crew off loc 4:20AM. Flow back all stages through Opsco flow equipment Turn well to sales at 7:30 PM 3 MMCFD

**End Time** 

12:15 AM

12:40 AM 3:00 AM 4:20 AM

6:00 AM

Description finsh drill out and clean rat hole to 7860 circ hole at 1.75 BPM. 700 SCFM N2. POOH with coil and BHA Lay down tools Nipple down blow . Crew shut down for rest.

flow back through opsco

7:30 PM

Flow stages 1-9 clean up for sales.

11:59 PM

put casing to sales.

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Force: July 31, 2010

5. Lease Seria UTU-0681

6. If Indian, Allottee or Tribe Name

# SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

		. 2,	ppoddioi	· i		
	IN TRIPLICATE - Other	instructions on	page 2.		7. If Unit of CA/Agree Peter's Point/UTU-6	ment, Name and/or No.
1. Type of Well  Oil Well  Gas W	ell Other				8. Well Name and No. Peter's Point Unit Fe	
2. Name of Operator Bill Barrett Corporation	· · · · · · · · · · · · · · · · · · ·				9. API Well No. 43-007-31408	AGCIAI 12-20D-12-10
3a. Address 1099 18th Street, Suite 2300 Denver, CO 80202		3b. Phone No.	(include area code	?)	10. Field and Pool or E Peter's Point/Wasato	•
4. Location of Well (Footage, Sec., T., I SESW, 301 FSL, 1502 FWL Sec. 26, T12S-R16E	R.,M., or Survey Description,				11. Country or Parish, Carbon County, UT	State
12. CHEC	K THE APPROPRIATE BC	X(ES) TO INDI	ICATE NATURE	OF NOTIC	E, REPORT OR OTHI	ER DATA
TYPE OF SUBMISSION	:		TYPI	E OF ACT	ION	
Notice of Intent	Acidize Alter Casing Casing Repair		en ure Treat Construction	Recla	uction (Start/Resume) umation mplete	Water Shut-Off Well Integrity  ✓ Other Weekly Activity
✓ Subsequent Report  Final Abandonment Notice	Casing Repair  Change Plans  Convert to Injection	_	and Abandon	Temp	porarily Abandon r Disposal	Report
Attach the Bond under which the w following completion of the involv testing has been completed. Final determined that the site is ready for No activity. Completion report pend	ed operations. If the operation Abandonment Notices must of final inspection.) ing.	on results in a m	ultiple completion	or recomp	letion in a new interval,	, a Form 3160-4 must be filed once
<ol> <li>I hereby certify that the foregoing is to Name (Printed/Typed)</li> <li>Tracey Fallang</li> </ol>	rue and correct.		Title Regulator	y Analyst		
Signature Jacus	Fallane	1	Date 03/12/200	)9		
7	THIS SPACE	FOR FEDE	RAL OR STA	TE OFF	ICE USE	
Approved by  Conditions of approval, if any, are attached that the applicant holds legal or equitable the entitle the applicant to conduct operations.  Title 18 U.S.C. Section 1001 and Title 43	itle to those rights in the subje- thereon.	ct lease which wo	ould Office	d willfully to		Date  It or agency of the United States any false,
fictitious or fraudulent statements or repre					- 1	RECEIVED

(Instructions on page 2)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

ttallang

FORM APPROVED OMB No. 1004-0137

5. Lease Serial No. UTU-0681

6. If Indian, Allottee or Tribe Name

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals

abandoned well. Use Form 310	60-3 (APD) for such prop	osals.	
	- Other instructions on page 2.	7. If Unit of CA/A	Agreement, Name and/or No.
1. Type of Well		8. Well Name and	
☐ Oil Well ☐ Gas Well ☐ C	Other	Peter's Point Ur	nit Federal 12-26D-12-16
2. Name of Operator Bill Barrett Corporation		9. API Well No. 43-007-31408	
3a. Address	3b. Phone No. (include a	rea code) 10. Field and Poo	l or Exploratory Area
1099 18th Street, Suite 2300 Denver, CO 80202	303-312-8134	Peter's Point/W	asatch-Mesaverde
4. Location of Well (Footage, Sec., T.,R.,M., or Survey De SESW, 301' FSL, 1502' FWL Sec. 26, T12S-R16E	escription)	11. Country or Pa Carbon County	-
12. CHECK THE APPROPR	NATE BOX(ES) TO INDICATE NA	ATURE OF NOTICE, REPORT OR	OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
Acidize	Deepen	Production (Start/Resum	ne) Water Shut-Off
Notice of Intent ActualZe	g Fracture Treat	Reclamation	Well Integrity
✓ Subsequent Report Casing Rep	pair New Construction	n Recomplete	Other Land tbg
Change Pla	ns Plug and Aband	on Temporarily Abandon	
Final Abandonment Notice Convert to	Injection Plug Back	Water Disposal	
testing has been completed. Final Abandonment Noti determined that the site is ready for final inspection.)  2 3/8" tubing was landed in this well at 7577'.	ices must be filed only after all requ	irements, including reclamation, have	been completed and the operator has
14. I hereby certify that the foregoing is true and correct.			
Name (Printed/Typed) Tracey Fallang	Title R	egulatory Analyst	
Signature Las for Trace	- 44	4/06/2009	
THIS S	PACE FOR FEDERAL O	R STATE OFFICE USE	
Approved by			
	Titl	e	Date
Conditions of approval, if any, are attached. Approval of this that the applicant holds legal or equitable title to those rights in entitle the applicant to conduct operations thereon.	notice does not warrant or certify	fice	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 121 fictitious or fraudulent statements or representations as to any		ringly and willfully to make to any depa	artment or agency of the United States any false,

APR 0 9 2009

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

tfallang CONFIDAN FALLAL

FORM APPROVED OMB NO. 1004-0137 Expires: July 31, 2010

	W	ELL C	OMPL	-ETIC	ON OR F	RECOMPLI	ETION	REPORT	AND L	ec ·	<b>.</b>		ease Se J-0681	rial No.		
la. Type of b. Type of	Well Completion		l Well w Well	Z (	Gas Well Work Over	Dry Deepen	Other Plug B	Back Diff	f. Resvr.,			6. If N/A		, Allottee or	Tribe Nai	me
		Ot	her:					•				7. U Pete	Init or C	A Agreement oint Unit/UT	nt Name a	and No.
2. Name of Bill Barret	Operator t Corporat	ion						-				8. L	ease Na	me and Wel	l No.	
3. Address	1099 18th S	treet, Suite	2300							de area cod	e)	9. A	FI Wel	l No.	u 12-201	D-12-10
4. Location	of Well (F		ation cle	arly an	d in accord	lance with Fede	eral requir	303-312-	8134	·			007-31 Field ar	408 nd Pool or Ex	ploratory	<del></del> _
A4	_			·			•	•				Pete	er's Po	int/Wasatc	h-Mesa	verde
At surrac	<sup>e</sup> SESW,	301' FS	L, 1502	2' FWL								11. 3	Sec., T. Survey	, R., M., on E or Area Sec.	31ock and 26, T128-	
At top pro	od. interval	reported l	pelow N	IWSW	, Lot 6, 19	965' FSL, 677	7' FWL, \$	Sec. 26				12. (	County	or Parish	13.	State
At total de	epth NWS	SW, Lot (	5, 2042	'FSL,	619' FWI	., Sec. 26						Carl	bon Co	ounty	UT	
14. Date Sp 08/21/200	udded		15.		.D. Reache			16. Date Comp		2/03/2009 eady to Prod			Elevation 2' GL	ons (DF, RK	B, RT, G	L)*
18. Total D	epth: MI	7959		7 10/20		g Back T.D.:	MD 78	343'		20. Depth B		g Set:	MD	N/A		
21. Type E		D 7496 her Mecha		gs Run	(Submit con	oy of each)	TVD 73	380'	2	2. Was we	ll cored?	VИ	TVD	Yes (Submi	t analysis	)
Halliburto				-			~n .D≤	SN, HRI		Was DS		<b>☑</b> N v? <b>□</b> N		Yes (Submi Yes (Submi		
23. Casing	and Liner	Record (1	Report ai	l string	s set in wei	7)	•					·	·	Tes (Subint	т соруу	
Hole Size	Size/G1	ade V	√t. (#/ft.)	T	op (MD)	Bottom (M	D) Sta	ige Cementer Depth		of Sks. & of Cement		y Vol. BL)	Cen	nent Top*	Aı	nount Pulled
20"	16" H40		5#	0		80'			grout co				Surfa			
12 1/4"	9 5/8" J	-55   36	5#	0		1053'	_		450 Pre	em	92 bbls	-	Surfa	ce		
8 3/4" &	4 1/2" I-	80 1	1.6#	0		7959'		<del></del>	1530 50	0/50	401 bbl	s	160'	,	<i>t</i> .	
7 7/8"														•7		
															10 -	
24. Tubing Size		Set (MD)	Pacl	cer Dept	h (MD)	Size	Der	oth Set (MD)	Packer D	epth (MD)	Siz	ze	Dept	th Set (MD)	Pac	ker Depth (MD)
25. Produci	ng Interval: Formatio			T	ор	Bottom	26.	Perforation I Perforated In			Size	No. F	loles	T	Perf. St	tatus
A) Mesave			7	190'		7568'	755	6' - 7568'		0.39	,	36		Open		
B) Wasato	:h		5	803'		7040'		4' - 7462'		0.39		24		Open		-··
C) D)								3' - 7373' 0' - 7200'		0.39		60 30		Open Open		
27. Acid, Fi	acture, Tre	atment, C	ement S	queeze,	etc.		7 19	0 - 7200		10.39		30		Open		<del></del>
	Depth Inter									nd Type of N						
7556' - 756 7454' - 746						02 foam frac: 02 foam frac:								·		<del></del>
7353' - 73				<u> </u>		D2 foam frac				<del></del>						
7190' - 720						D2 foam frac:		<del></del>								
28. Producti			Front		h:i	lC = a	Water	Oil Cross	24	1000	Drod	notion M	othod			
Date First Produced	Test Date	Hours Tested	Test Produ		Oil BBL	Gas MCF	Water BBL	Oil Grav Corr, AT		Gas Gravity		uction M wing	етоа			
1/30/09	2/12/09	24			18	4427	0	56								
	Tbg. Press. Flwg.	Csg. Press.	24 Hr Rate		Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio		Well Statu Produci						
30/64"	SI O	612			18	4427	0				-					
28a. Produc		al B				·	т. ——									
Date First Produced	Test Date	Hours Tested	Test Produ		Oil BBL	Gas MCF	Water BBL	Oil Grav Corr. AP		Gas Gravity	Prod	uction Me	ethod			
Size	Tbg. Press. Flwg. Sl	Csg. Press.	24 Hr Rate		Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio		Well Statu	IS	······································				
	J.											REC	JET.	VED		·

<sup>\*(</sup>See instructions and spaces for additional data on page 2)

28h Produ	uction - Inte	rval C		<del></del>						
	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity		
			<b>│→</b>	İ						
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status		
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio			
	SI		-							
28c. Produ	uction - Inte	rval D		1				1		
Date First		Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity		
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status		
Size	Flwg.	Press.	Rate	BBL	MCF	BBL	Ratio	İ		
	SI		-							
29 Dienos	sition of Ga	S (Solid 1)	sed for fuel, ve	ented etc						
Sold	sition of Ga	s (Dona, a.	sea joi jaci, re	теа, еге.)						
	. <del></del>					<del></del>				
30. Summ	nary of Porc	us Zones	(Include Aqui	ifers):				31. Formati	ion (Log) Markers	
Show a	all importan	t zones of	porosity and c	ontents th	ereof: Cored	intervals and al	l drill-stem tests,			
includi	ng depth int					ing and shut-in				
recovei	ries.									
										Tan
Forn	nation	Тор	Bottom		Desc	criptions, Conte	ents, etc.	Į.	Name	Тор
		,		]		•	ŕ			Meas. Depth
		1								
								Wasatch North Horn		3401' 5571'
								Dark Canyon Price River	ı	7159'
								Price River		7379'
		-								
								1		
								TD		7959'
32 Additi	ional remark	s (include	plugging pro	cedure).						
						المسادة المسادة			contest lim Nincon et 20	2 242 0462
Copies o	ir logs prev	viousiy si	ubmitted und	ier sepa	ate cover.	in the event i	og copies were i	not received, pr	ease contact Jim Kinser at 30	3-312-8103.
			ا رسسه	• .	1 11.12	10 1	,			
7 7/8" ho	le started	at 5989'.	Tubil	na no	+ 4CF	landed	_ /			
			,	J	J					
33. Indicat	te which ite	ms have b	een attached b	y placing	a check in the	appropriate bo	xes:			
						0 1 1 5	. — — — — — — — — — — — — — — — — — — —		<b>[7]</b> p: 10	
		_	(1 full set req)			Geologic Repor			☑ Directional Survey	
Sunc	dry Notice fo	r plugging	and cement ve	rification		Core Analysis	Other:			
34 I hereb	y certify th	at the fore	going and atta	ched infor	mation is com	inlete and corre	ct as determined fro	om all available re	ecords (see attached instructions)*	
						ipiete and come			ocorao (eco anacorea menerio)	
Na	ame (please	Λ	acey Fallang	<u> </u>	1-			ory Analyst		
Si	gnature	210	rus	Jal	and	1_	Date 03/24/20	09		
			$-\mathcal{I}$							
Title 18 II	S.C. Section	1001 and	Title 43 U.S	C. Section	1212, make i	it a crime for an	y person knowingly	y and willfully to	make to any department or agency	of the United States any
false, fictit	ious or frau	dulent stat	ements or repr	esentation	s as to any ma	atter within its j	jurisdiction.			

(Continued on page 3) (Form 3160-4, page 2)

### Peter's Point Unit Federal #12-26D-12-16 Report Continued

26. PERFOR	RATION RECO	ORD (cont.)	)		27. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)							t.)
	ERVAL Bot-MD)	SIZE	NO. HOLES	PERFORATION STATUS	AMOUNT AND TYPE OF MATERIAL							
7025	7040'	0.39"	45	Open	Stg 5	70% CO2 foam frac:	60	tons CO2	301	bbls total fluid	51,455#	20/40 White Sand
6850'	6870'	0.39"	60	Open	Stg 6	70% CO2 foam frac:	60	tons CO2	297	bbls total fluid	50,700#	20/40 White Sand
6177'	6228'	0.39"	33	Open	Stg 7	70% CO2 foam frac:	53	tons CO2	381	bbls total fluid	74,830#	20/40 White Sand
5948'	5958'	0.39"	30	Open	Stg 8	70% CO2 foam frac:	60	tons CO2	198	bbls total fluid	27,200#	20/40 White Sand
5803'	5840'	0.39"	33	Open	Stg 9	70% CO2 foam frac:	31	tons CO2	169	bbls total fluid	22,900#	20/40 White Sand

<sup>\*</sup>Depth intervals for frac information same as perforation record intervals.

## MAR 3 0 2009

WELLCORE

**Directional Surveys** 

DIV. OF OIL, GAS & MINING

Location Information
Business Unit

Operations

Project

Uinta

Phase/Area West Tavaputs Well Name

Peter's Point #12-26D-12-16

Surface Location SESW-26-12S-16E-W26M

Main Hole

Bottom Hole Information	
UWI	API / License #
NWSW-26-12S-16E-W26M	43-007-31408

Survey Section L	<u>Details</u>				
Section	KOP (ft)	KOP Date	TMD (ft)	TVD (ft)	TD Date
Main	1060.00	11/6/2008			

;	Survey Company	Direction of Vertical Section (°)	Magnetic Dec Correction (°)
atherford		334.34	11.64

Eutran	Donth MAD	Inglineties	A = i = 4 l=	7.5	0	NI- 40.7	T NI O	PT	7-2		
Extrap.	Depth MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Sub Sea (ft)	Northings (ft)	N/S	Eastings (ft)	E/W	Vertical Section (ft)	Dog Leg
	0.00	0.00	0.00	0.00	15.50	0.00		0.00		0.00	0.00
	1088.00	0.13	51.27	1088.00	-1072.50	0.77	N	0.96	Е	0.28	0.01
	1182.00	1.63	341.52	1181.98	-1166.48	2.11	N	0.62	E	1.63	1.69
	1278.00	3.81	344.09	1277.85	-1262.35	6.47	N	0.68	W	6.13	2.27
	1372.00	6.81	345.39	1371.42	-1355.92	14.87	N	2.95	w	14.68	3.19
	1467.00	8.63	355.89	1465.55	-1450.05	27.43	N	4.88	w	26.83	2.42
	1561.00	10.38	351.39	1558.24	-1542.74	42.83	N	6.65	W	41.49	2.02
	1657.00	12.50	348.39	1652.32	-1636.82	61.56	N	10.04	w	59.84	2.29
	1752.00	15.31	343.02	1744.51	-1729.01	83.63	N	15.77	w	82.21	3.25
	1846.00	18.06	340.89	1834.53	-1819.03	109.26	N	24.16	W	108.95	3.00
	1941.00	19.69	337.77	1924.41	-1908.91	137.99	N	35.04	w	139.56	2.02
	2036.00	22.00	334.89	2013.17	-1997.67	168.92	N	48.64	w	173.32	2.66
	2131.00	23.81	332.52	2100.67	-2085.17	202.04	N	65.04	W	210.28	2.14
	2226.00	25.81	329.02	2186.89	-2171.39	236.79	N	84.54	w	250.04	2.61
	2321.00	28.13	329.39	2271.54	-2256.04	273.79	N	106.59	w	292.94	2.45
	2416.00	30.63	329.89	2354.30	-2338.80	314.00	N	130.13	W	339.38	2.64
	2508.00	32.63	328.52	2432.62	-2417.12	355.43	N	154.84	W	387.43	2.31
	2603.00	33.94	328.02	2512.03	-2496.53	399.77	N	182.26	W	439.27	1.41
	2696.00	33.69	328.02	2589.30	-2573.80	443.67	N	209.67	W	490.71	0.27
	2791.00	33.00	329.64	2668.66	-2653.16	488.34	N	236.70	W	542.68	1.19
	2886.00	33.25	330.52	2748.22	-2732.72	533.33	N	262.59	w	594.45	0.57
	2982.00	32.06	332.64	2829.04	-2813.54	578.87	N	287.26	w	646.17	1.72
	3076.00	32.00	332.27	2908.73	-2893.23	623.08	N	310.31	w	696.00	0.22
	3170.00	31.56	332.64	2988.64	-2093.23	666.97	N	333.20	w	745.48	0.51
	3266.00	30.63	334.27	3070.84	-3055.34	711.31	N	355.37	W	795.05	1.31
	3360.00	30.63	334.52	3151.73	-3136.23	754.50	N	376.06	W	842.94	0.13
	3455.00	31.75	334.27	3232.99	-3136.23	798.87	N	397.33	W	892.14	1.19
	3549.00	31.88	334.52	3312.87	-3217.49	843.55	N	418.74	W	941.69	0.20
<del></del>	3644.00	32.31	333.77	3393.35	-3297.37	888.97	N	440.76	W	992.16	0.62
	3738.00	32.31	333.64	3472.80	-3457.30	934.02	N	463.01	W	1042.40	0.02
	3832.00	32.44	333.14	3552.18	-3536.68	979.02	N	485.56	W	1042.40	0.07
	3926.00	32.44	332.39		-3616.10	1023.73	N	508.57	W	1143.00	0.32
-	4019.00	32.25	332.27	3631.60 3710.33	-3694.83	1023.73	N	531.56	W	1192.47	0.47
				3710.33		1111.55	N	555.11	W	1242.31	0.50
	4113.00	32.06	331.39		-3774.50	1155.74	N	579.15	W	1292.55	0.20
	4208.00	31.88	331.52	3870.59	-3855.09	1200.03	N	602.99	W	1342.80	0.28
	4303.00	32.06	331.89	3951.18	-3935.68	<del></del>	N		W	1392.89	0.59
	4397.00	32.44	331.14	4030.68	-4015.18	1244.12 1288.15	N	626.91 651.12	W	1443.07	0.39
	4491.00	32.19	331.27	4110.12	-4094.62 -4175.04	1330.99	N	674.13	W	1443.07	2.26
	4585.00	30.13	332.27	4190.54		1371.66	N	695.14	W	1537.40	2.80
	4680.00	27.50	333.14	4273.76	-4258.26 -4342.12		+		W	1537.40	1.41
	4774.00	26.19	333.52	4357.62	<del></del>	1409.59	N	714.19			2.73
	4868.00	23.63	333.02	4442.86	-4427.36	1444.95	N	731.99	W	1619.42	
	4961.00	22.00	336.27	4528.57	-4513.07	1477.50	N I	747.45	W	1655.46	2.21
	5055.00 5150.00	19.19 18.06	336.27 337.27	4616.54 4706.56	-4601.04 -4691.06	1507.76 1535.64	N	760.75 772.73	W	1688.50 1718.81	1.24

## **Directional Surveys**



Location Information
Business Unit

Operations Project

Uinta

Phase/Area West Tavaputs Well Name

Peter's Point #12-26D-12-16

Surface Location

SESW-26-12S-16E-W26M

Main Hole

Extrap.	Depth MD		Azimuth	TVD	Sub Sea	Northings	N/S	Eastings	Ε/W	Vertical Section	Dog Leg
	(ft)	(°)	(°)	(ft)	(ft)	(ft)		(ft)		(ft)	
	5245.00	16.06	337.02	4797.37	-4781.87	1561.32	N	783.55	w	1746.64	2.11
	5340.00	14.38	337.52	4889.02	-4873.52	1584.32	N	793.19	W	1771.54	1.77
	5434.00	13.00	338.39	4980.35	-4964.85	1604.93	N	801.54	W	1793.75	1.48
	5529.00	11.44	338.89	5073.18	-5057.68	1623.65	N	808.87	W	1813.80	1.65
	5624.00	9.25	338.27	5166.62	-5151.12	1639.54	N	815.09	W	1830.80	2.31
	5718.00	7.63	338.27	5259.60	-5244.10	1652.35	N	820.20	W	1844.57	1.72
_	5812.00	7.06	338.14	5352.82	-5337.32	1663.51	N	824.66	W	1856.56	0.61
.,	5907.00	6.76	339.50	5447.13	-5431.63	1674.17	N	828.79	W	1867.95	0.36
	6000.00	6.19	339.89	5539.54	-5524.04	1684.00	N	832.43	W	1878.39	0.61
	6095.00	6.00	339.89	5634.00	-5618.50	1693.47	N	835.90	W	1888.43	0.20
	6190.00	5.63	336.52	5728.51	-5713.01	1702.41	N	839.47	W	1898.03	0.53
	6285.00	5.44	331.77	5823.07	-5807.57	1710.65	N	843.45	W	1907.19	0.52
	6380.00	4.81	328.89	5917.69	-5902.19	1718.03	N	847.64	W	1915.65	0.72
	6473.00	4.81	332.64	6010.36	-5994.86	1724.83	N	851.45	W	1923.43	0.34
	6569.00	4.25	330.39	6106.06	-6090.56	1731.50	N	855.05	W	1931.00	0.61
	6663.00	3.25	327.39	6199.85	-6184.35	1736.77	N	858.21	W	1937.12	1.08
	6758.00	2.38	305.27	6294.74	-6279.24	1740.18	N	861.27	W	1941.52	1.45
	6853.00	1.44	279.64	6389.68	-6374.18	1741.52	N	864.06	W	1943.93	1.31
	6948.00	1.31	275.89	6484.65	-6469.15	1741.83	N	866.32	W	1945.19	0.17
	7043.00	0.69	282.14	6579.64	-6564.14	1742.06	N	867.96	W	1946.11	0.66
	7138.00	0.75	269.30	6674.63	-6659.13	1742.17	N	869.14	W	1946.72	0.18
	7233.00	1.00	263.52	6769.62	-6754.12	1742.07	N	870.58	W	1947.26	0.28
	7959.00	1.00	263.52	7495.51	-7480.01	1740.64	N	883.17	W	1951.42	0.00

### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPRO	VED
OMB No. 1004-	0137
Expires July 31	201

5. Lease Serial No.

Do not use this	NOTICES AND REP form for proposals Use Form 3160-3 (	ORTS ON WELLS to drill or to re-enter ar APD) for such proposal	n Is.	6 If Indian, Allottee o	r Tribe Name			
SUBN	IIT IN TRIPLICATE - Othe	er instructions on page 2.		1	ement, Name and/or No			
	Well  Other		,	Brickly Pear UniVUTU-79487 Februs formt Unit 1/11/1-636/4 8. Well Name and No.! See Attached				
Name of Operator Bill Barrett Corporation				9. API Well No.				
3a. Address 1099 18th Street, Suite 2300, Denver, CO 60	202	3b. Phone No. (include area co 303-312-8134	ide)	10 Field and Pool or I	Exploratory Area			
4. Location of Well (Footage, Sec., 7	.R.,M., or Survey Descriptio	n)		11. Country or Parish, Carbon County, UT	State			
12. CHE	CK THE APPROPRIATE B	OX(ES) TO INDICATE NATURI	E OF NOTI	CE, REPORT OR OTH	ER DATA			
TYPE OF SUBMISSION		TY	PE OF ACT	rion				
Notice of Intent  Subsequent Report  Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans	Deepen Fracture Treat New Construction Plug and Abandon	luction (Start/Resume) lamation omplete potarily Abandon	Water Shut-Off  Well Integrity  ✓ Other Off-lease Water  Treatment				
13 Describe Proposed or Completed ( the proposal is to deepen direction Attach the Bond under which the following completion of the invol	nally or recomplete horizonta work will be performed or pi ved operations. If the operat I Abandonment Notices must or final inspection.)	ally, give subsurface locations and rovide the Bond No. on file with B lion results in a multiple completion the filed only after all requirement.	d starting da measured as BLM/BIA. I on or recomp as, including	nd true vertical depths o Required subsequent rep pletion in a new interval, reclamation, have been	orts must be filed within 30 days a Form 3150-4 must be filed once completed and the operator has			
water from Peter's Point unit, in ad- list and map of Peter's Point unit w	ells is attached.	for re-use for the state will be	Gas al	RD ONLY	o meet additional water needs. A  RECEIVED			
If you have further questions, pleas	e contact me at 303-312-6	8134.	11200	MD ONLY	FEB 1 6 2010			
					DIV. OF OIL, GAS & MINING			
COA: Approval to be treated by	is granted to your servers the sempora	o take the water ve woder treat n	r proo	luced by fe facility loca	ter's fourt federalu atell on SITLA lan			

IN Sec. 16, TIRS RISE +Hough July 2010.

14 I hereby certify that the foregoing is true and correct.  Name (Printed/Typed)  Tracey Fallang  Title	e Regulatory Analyst
Signature Status Fallang Date	e 02/04/2010
THIS SPACE FOR FEDERA	L OR STATE OFFICE USE
Approved by Marvin Heurlicks	Petroleum Engineer   FEB 0 8 2010
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office PRICE FIELD OFFICE
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	knowingly and willfully to make to any department or agency of the United States any false

(Instructions on page 2)



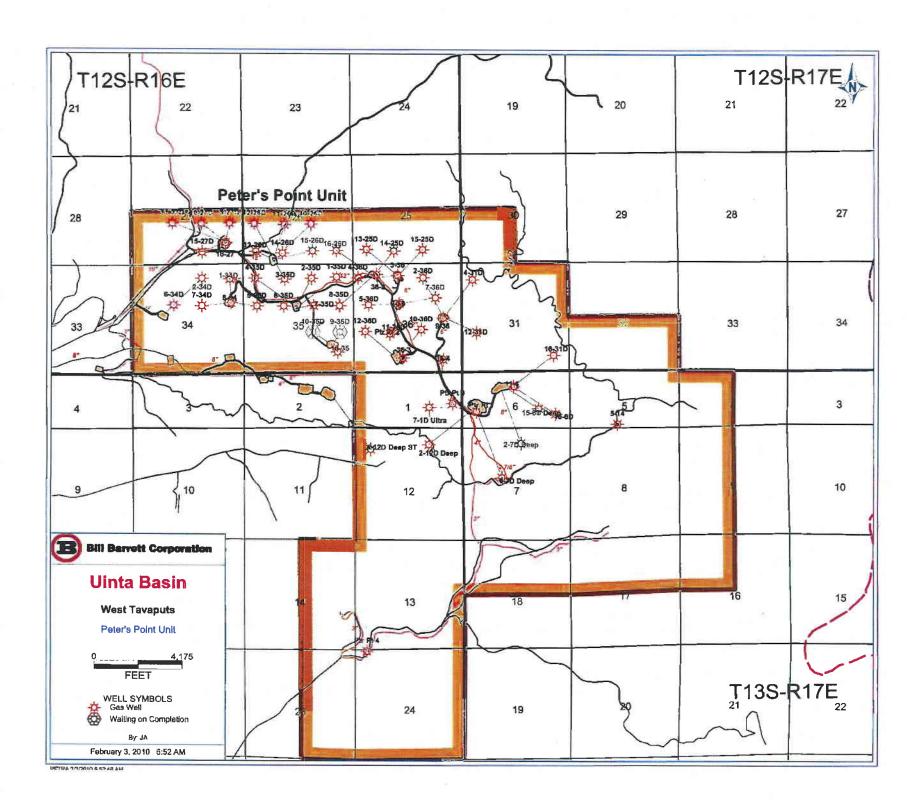
UWI/API		Status
	5-14-PETERS POINT	GAS
430073002300	9-PTRS PT UNIT	GAS
430071539300	9-PTRS PT UNIT 4-PTRS PT UNIT 2-PTRS PT UNIT 36-2-PtrsPtFed 36-3-PtrPtFed	GAS
430071539100	2-PIRS PI UNII	GAS
430073076100	36-2-PtrsPtFed	GAS
430073076200	36-3-PtrPtFed	GAS
40001 001 0000	00-7-1 1131 11 CU	GAS
	1-PETERS POINT UNIT	
	1-PETERS POINT UNIT	GAS
430073098200	11-6-13-17 16-35-12-16 16-27-12-16 8-34-12-16 6-35D-12-16	GAS
430073096500	16-35-12-16	GAS
430073131800	16-27-12-16	GAS
430073127900	8-34-12-16	GAS
430073127500	6-35U-12-16	GAS
		GAS
430073100500	16-31D-12-17	GAS
430073100400	16-6D-13-17	GAS
430073101000	2-36D-12-16	GAS
430073100900	12-31U-12-17	GAS
430073101100	16-31D-12-17 16-6D-13-17 2-36D-12-16 12-31D-12-17 9-36-12-16 4-31D-12-17 6-7D-13-17 Deep 8-35D-12-16 16-26D-12-16 14-25D-12-16	GAS
430073081000	4-31D-12-17	GAS
4300/3085900	6-70-13-17 Deep	GAS
4300/3102400	8-35D-12-16	GAS
430073081200	10-20D-12-10	GAS
430073076400	14-25D-12-10	GAS GAS
430073115600	14-25D-12-16 2-12D-13-16 Deep 14-26D-12-16 6-34D-12-16 6-36-12-16 3-36-12-16 12-36D-12-16 10-36D-12-16	CAS
430073127700	14-20D-12-10	GAS
430073128100	0-34U-12-10	GAS GAS
4300/312/200	2 26 42 46	GAS
430073127100	12-10 12-36D-12-16	GAS
430073117300	10-36D-12-16	GAS
430073117400	15-6D-13-17 Deep	GAS
430073120100	4-12D-13-16 Deep ST	
400070444400	A 07D 40 40	GAS
430073141100	11_27D_12-16	GAS
430073140000	15-27D-12-16	GAS
430073140600	9-27D-12-16 11-27D-12-16 15-27D-12-16 10-26D-12-16	GAS
430073140400	15-26D-12-16	GAS
430073140700		GAS
430073135200		GAS
430073140300		GAS
430073140800		GAS
430073142700		GAS
430073142800		GAS
430073140500		GAS
430073134500		GAS
430073136500		GAS
430073147400		WOC
430073147400		woc
430073142900		GAS
-3001 O 172000	O COD TE TO	J, 10

UWI/API	LABEL	Status
430073134700	4-35D-12-16	GAS
430073134600	7-35D-12-16	GAS
430073134800	7-36D-12-16	GAS
430073135000	5-36D-12-16	GAS
430073135100	15-25D-12-16	GAS
430073131900	10-27D-12-16	GAS
430073132600	2-7D-13-17 Deep	GAS
430073132000	2-34D-12-16	GAS
430073134900	11-36D-12-16	GAS
430073135300	4-36D-12-16	GAS

# PETER'S POINT UNIT Status Legend

GAS Currently Producing WOC Waiting on Completion

Water could come from any of these GAS wells to be used in treatment process and reused for state completions.



# WEST TAVAPUTS PILOT WATER TREATMENT FACILITY NESW, SECTION 16, T12S-R15E

This is being submitted as notification that Bill Barrett Corporation (BBC) will be setting a temporary "pilot" water treatment facility within existing disturbance (no surface-laid lines are proposed) at the Prickly Pear Unit State 11-16 location. This facility will test the ability for BBC to reuse and recycle Prickly Pear unit water for approximately 16 state wells in Section 16 which are to be completed in 2010. It would also reduce truck traffic through Harmon Canyon associated with water hauling by approximately 16 trucks per day. Wells on Prickly Pear mesa generate approximately 1000 barrels of water per day (BWPD) and each well completion will take approximately 1300 BWPD. Any additional water needed for completion will come from currently approved water sources. This pilot facility will be in operation from January through July of 2010 and if successful, BBC will discuss the potential of making the facility permanent.

The process description is listed below and attachments to this proposal include proposed facility diagrams and maps and spreadsheets which indicate Prickly Pear wells involved with the water treatment process.

### PROCESS DESCRIPTION

BBC will use an electro-coagulation (EC) process which transmits an electrical current through the water between iron plates. Iron hydroxyl-oxide (IHO) is formed by the electrical current in the form of a floc which then adsorbs compounds in the water. Compounds bound to the IHO create larger floc/solids known as hematite. The hematite is then skimmed off and placed into a tank to be hauled off of to a state approved disposal facility and a pH buffer is added to the water to lower the pH for re-use.

The EC system will treat approximately 1000-1200 BWPD (including flow-back water) and will be stored in clean tanks adjacent to the system. There will be ten 450-bbl holding tanks (two inlet water and eight treated water), three 450-bbl weir (skim) tanks and the actual EC system. There will also be a small generator to power a pump on location to assist in keeping the water flowing through the system. The tank battery will be bermed and the berms will be constructed to contain at a minimum 120 percent of the storage capacity of the largest tank within the berm. Any load lines and valves will be placed inside the berm.

After completion operations have ceased within Section 16, water will once again be diverted back to BBC's permitted saltwater disposal well in Sec. 24, T12S-R14E or a request for a permanent facility may be filed.

### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED
OMB No. 1004-0137
Expires: July 31 2010

### **SUNDRY NOTICES AND REPORTS ON WELLS**

6. If Indian, Allottee or Tribe Name

5. Lease Serial No.

Do not use this abandoned well.	form for proposals ( Use Form 3160-3 (A	to drill or to re-enter ( APD) for such propos	an als.	
SUBMI  1. Type of Well	T IN TRIPLICATE – Other	instructions on page 2.	7. If Unit of CA/Agre Prickly Pear Unit/U	ement, Name and/or No. [U-79487
Oil Well Gas V	Vell Other		8. Well Name and No	olomatia di santifica ya Milandi da ili ili ili ili ili ili ili ili ili il
2. Name of Operator Bill Barrett Corporation			9. API Well No.	the supplier of the second second
3a. Address		3b. Phone No. (include area	code) 10. Field and Pool or	Exploratory Area
1099 18th Street, Suite 2300, Denver, CO 802	02	303-312-8134	10.1 jeld and 100 0	Exploitatory Area
4. Location of Well (Footage, Sec., T.,	R.,M., or Survey Description	)	11. Country or Parish, Carbon County, UT	State
12. CHEC	CK THE APPROPRIATE BO	X(ES) TO INDICATE NATU	RE OF NOTICE, REPORT OR OTH	ER DATA
TYPE OF SUBMISSION		•	TYPE OF ACTION	
✓ Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat	Production (Start/Resume) Reclamation	Water Shut-Off Well Integrity Off lenges Wester
Subsequent Report	Casing Repair Change Plans	New Construction Plug and Abandon	Recomplete Temporarily Abandon	Other Off-lease Water  Treatment of Prickly
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposal	Pear Unit Water
testing has been completed. Final determined that the site is ready for BIII Barrett Corporation (BBC) Is suft Owned Lands. BBC will be taking prickly Pear unit, hauling it to a term completion operations for approximal if successful, there is the potential of BBC has attached the SITLA submit if you have further questions, please of the potential of the submit is the potential of the submit is the potential of the submit is the potential of the submit is the potential of the submit is the potential of the submit is the potential of the submit is the potential of the submit is the potential of the submit is the potential of the submit is the potential of the submit is the submit in the submit is the potential of the submit is the submit in the submit in the submit is the submit in the submit in the submit is the submit in the submit in the submit is the submit in the submit in the submit is the submit in the subm	Abandonment Notices must be a final inspection.)  pmitting this sundry in accorduced water and flowbat porary, "pilot" water treatmentely 16 state wells. This was this being a permanent fattal information for your received contact me at 303-312-8.	pe filed only after all requirementation or content or	late leases (a map and list of these in Sec. 16, T12S-R15E where it will be process will be in operation from	completed and the operator has  ced Water on State or Privately be wells is attached) within the il be treated and reused for January through July of 2010 and
Name (Printed/Typed) Tracey Fallang	and and correct	Title Regula	itory Analyst	
Signature AMU	Fallan	Date 01/14/	2010	
	THIS SPACE	FOR FEDERAL OR S	TATE OFFICE USE	
Approved by  Monya  Conditions of approval, if any, are attached	- Approval of this notice does	not warrant or certify	oleum Engineer	JAN 1 4 2010
that the applicant holds legal or equitable ti entitle the applicant to conduct operations t	tle to those rights in the subjec	t lease which would Office	PRICE FIEL	D OFFICE
Title 18 U.S.C. Section 1001 and Title 43		crime for any person knowingly	and willfully to make to any department	or agency of the United States any false,

fictitious or fraudulent statements or representations as to any matter within its jurisdiction,

# WEST TAVAPUTS PILOT WATER TREATMENT FACILITY NESW, SECTION 16, T12S-R15E

This is being submitted as notification that Bill Barrett Corporation (BBC) will be setting a temporary "pilot" water treatment facility within existing disturbance (no surface-laid lines are proposed) at the Prickly Pear Unit State 11-16 location. This facility will test the ability for BBC to reuse and recycle Prickly Pear unit water for approximately 16 state wells in Section 16 which are to be completed in 2010. It would also reduce truck traffic through Harmon Canyon associated with water hauling by approximately 16 trucks per day. Wells on Prickly Pear mesa generate approximately 1000 barrels of water per day (BWPD) and each well completion will take approximately 1300 BWPD. Any additional water needed for completion will come from currently approved water sources. This pilot facility will be in operation from January through July of 2010 and if successful, BBC will discuss the potential of making the facility permanent.

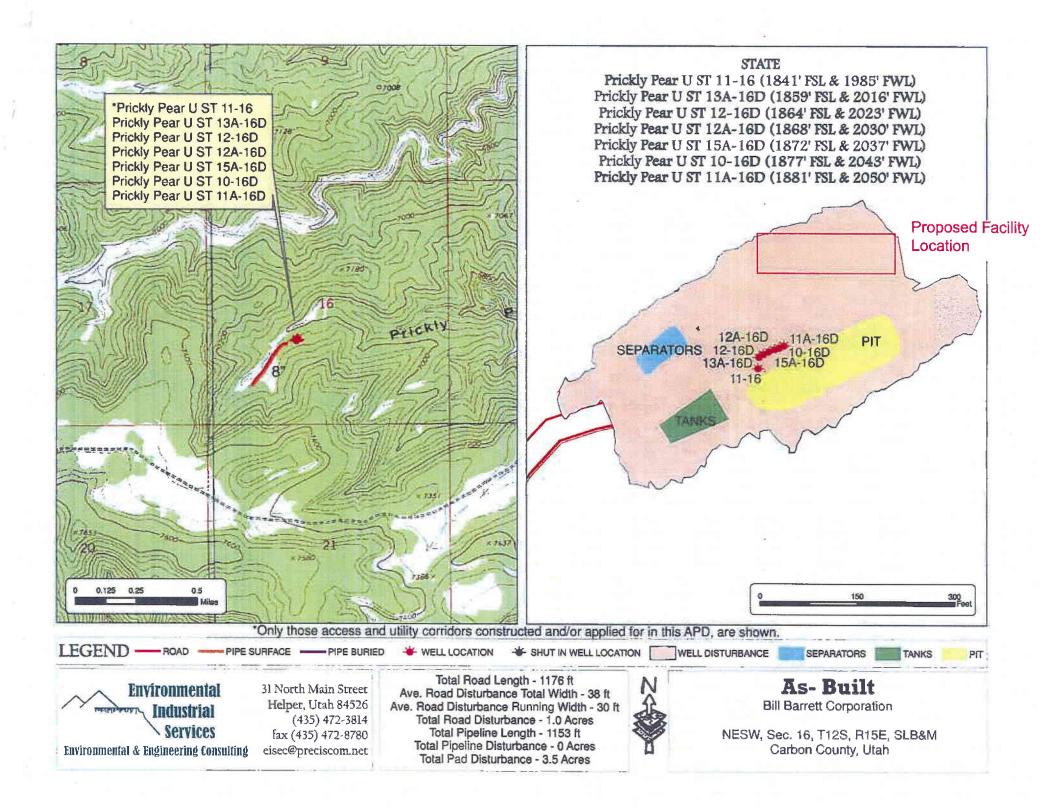
The process description is listed below and attachments to this proposal include proposed facility diagrams and maps and spreadsheets which indicate Prickly Pear wells involved with the water treatment process.

### PROCESS DESCRIPTION

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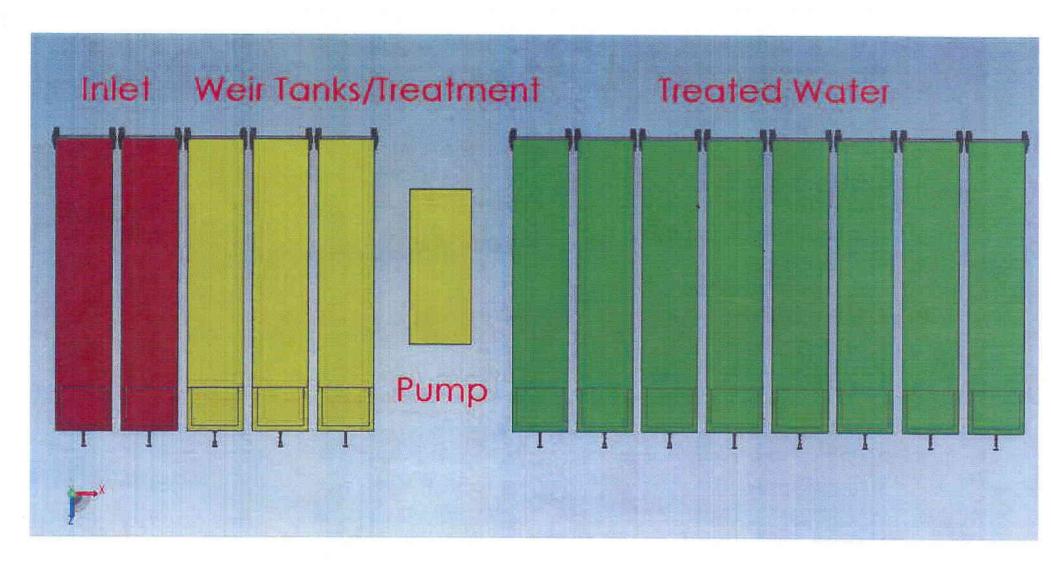
UWI/API	Well	Status	UWI/API	Well	Status
	1-GOVT PCKRL	GAS	430073123900	3-27D-12-15	GAS
	SC 1-STONE CABIN	GAS	430073123700	4-27D-12-15	GAS
	1-11-ST CAB-FED	GAS	430073124300	1-28-12-15	GAS
	33-1A-CLAYBANK SPRIN	GAS	430073124200	5-27D-12-15	GAS
	16-15 (12S-15E)	GAS	430073124400	8-28D-12-15	GAS
	2-B-27-ST CAB FED	GAS	430073124100	9-28D-12-15	GAS
	SC 1-ST CAB UNIT	GAS	430073128700	9-17-12-15	GAS
430073101800		GAS	430073129500	7-18D-12-15	GAS
	13-4 (12S-14E)	GAS	430073129400	1-18D-12-15	GAS
430073082800	_ · _ · <del>-</del> · -	GAS	430073124000	9-16-12-15	GAS
430073082300		GAS	430073124500	1-16-12-15	GAS
430073095400		GAS	430073136200	2-28D-12-15	GAS
430073093300		GAS	430073139900	11-22D-12-15	GAS
430073100800		GAS	430073136000	4-22D-12-15	GAS
430073094300		GAS	430073140000	14-22D-12-15	GAS
430073094500		GAS	430073139800	12-22D-12-15	GAS
430073094400		GAS	430073136100	6-22D-12-15	GAS
430073119300		GAS	430073141300	6-21D-12-15	GAS
430073098500		GAS	430073141200	11-21D-12-15	GAS
430073128900		GAS	430073141400	12-21D-12-15	GAS
430073086000	· -	GAS	430073142100	2-20D-12-15	GAS
430073107300		GAS	430073141900	8-20D-12-15	GAS
430073119600		GAS	430073135900	14-15D-12-15	GAS
430073120600		GAS	430073145600	12-16D <b>-</b> 12-15	GAS
430073118300		GAS	430073139400	10-18D-12-15	GAS
430073119800		GAS	430073128200		GAS
430073116400		GAS	430073128800	1-17D-12-15	GAS
430073116600		GAS	430073129600		GAS
430073116500		GAS	430073131400		GAS
430073112100		GAS	430073131600		GAS
430073107500		GAS	430073131000		GAS
430073107400		GAS	430073130900		GAS
430073107600		GAS	430073131100	· · · · · - · · - · •	GAS
430073118700	·- · ·	GAS	430073131200		GAS
430073118600		GAS	430073132800		GAS
430073118800		GAS	430073131500		GAS
430073135800		GAS	430073130800		GAS
430073119200		GAS	430073130700		GAS
430073118400		GAS	430073131300		GAS
430073119700		GAS	430073131700		GAS
430073119400		GAS	430073145900		GAS
430073119500		GAS	430073132100		GAS
430073118900		GAS	430073132400		GAS
430073125900		GAS	430073132900		GAS
430073126000		GAS	430073136400		GAS
430073128300		GAS	430073136800		GAS
430073128500		GAS	430073136300		GAS
430073128400		GAS	430073140100		GAS
430073125700		GAS	430073139300		GAS
430073125800		GAS	430073139500		GAS
430073122600		GAS	430073139600		GAS
430073122700		GAS	430073145800		GAS
430073123800	13-22-12-15	GAS	430073146100		GAS
			430073146000	11A-16D-12-15	GAS

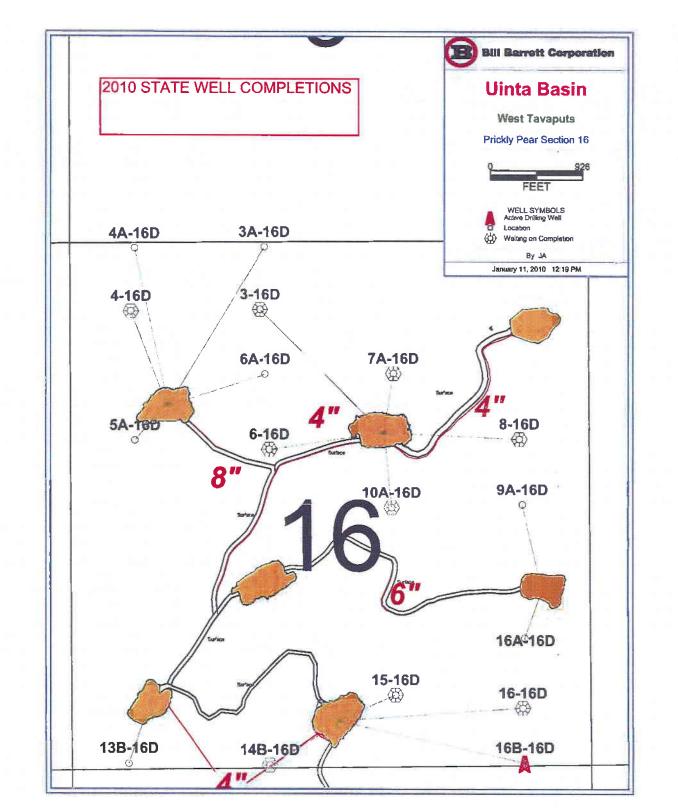
UWI/API	Well	Status
430073148000	5A-16D-12-15	LOC
430073148500	9A-16D-12-15	LOC
430073147900	4A-16D-12-15	LOC
430073148100	3A-16D-12-15	LOC
430073147700	6A-16D-12-15	LOC
430073148400	16A-16D-12-15	LOC
430073151600	13B-16D-12-15	LOC
430073095300	12-24-12-14	SWD
430073142200	7A-16D-12-15	WOC
430073142500	3-16D-12-15	WOC
430073145500	8-16D-12-15	WOC
430073142300	6-16D-12-15	WOC
430073132300	16-16D-12-15	WOC
430073142400	10A-16D-12-15	WOC
430073151500	14B-16D-12-15	WOC
430073132200	15-16D-12-15	WOC
430073147800	4-16D-12-15	WOC
430073151400	16B-16D-12-15	DRL

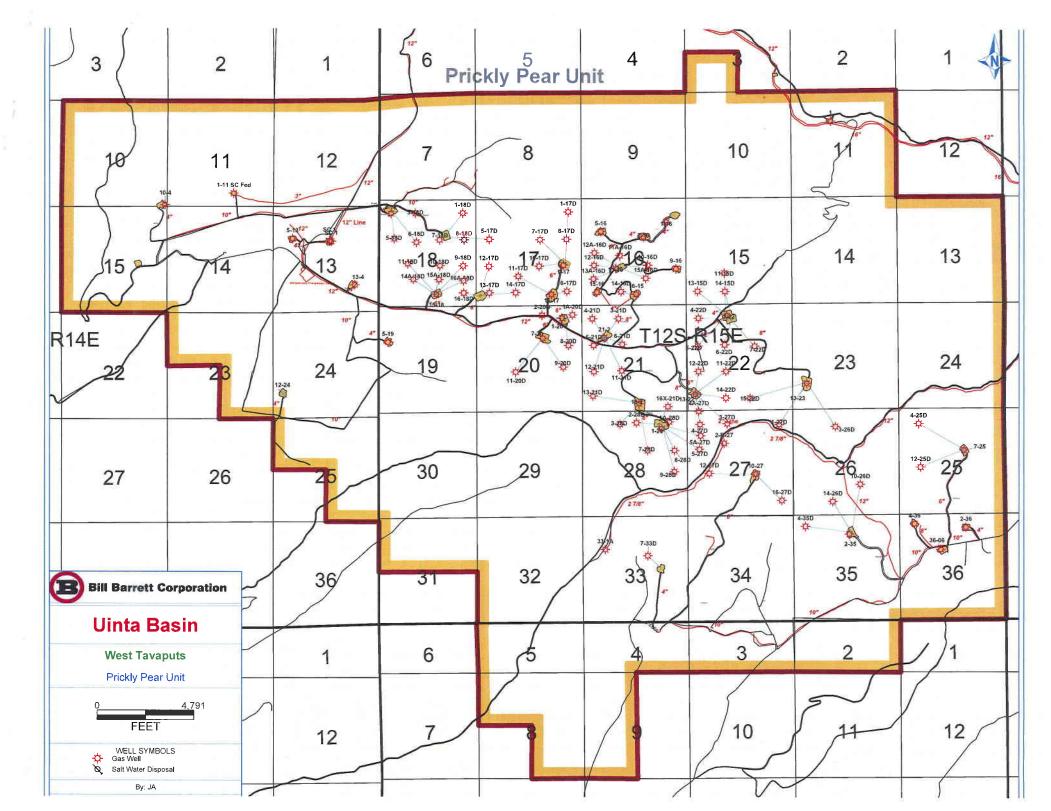
### Status Legend

Currently Drilling	
Currently Producing	
2010 Location	
Salt Water Disposal	
Waiting on Completion	
	Currently Producing 2010 Location Salt Water Disposal

Yellow indicates state wells that will be completed in 2010 using treated Prickly Pear Unit water. Water could come from any of these wells to be used in treatment process and reused for state well completions.







Sundry Number: 23040 API Well Number: 43007314080000 FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0681
SUNDF	RY NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly de reenter plugged wells, or to drill horizont n for such proposals.		7.UNIT or CA AGREEMENT NAME: PETERS POINT
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: PPU FED 12-26D-12-16
2. NAME OF OPERATOR: BILL BARRETT CORP			<b>9. API NUMBER:</b> 43007314080000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300		HONE NUMBER: 3 312-8164 Ext	9. FIELD and POOL or WILDCAT: PETERS POINT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0301 FSL 1502 FWL			COUNTY: CARBON
QTR/QTR, SECTION, TOWNSI Qtr/Qtr: SESW Section: 2	HIP, RANGE, MERIDIAN: 26 Township: 12.0S Range: 16.0E Meridian	n: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
BBC is propos production. Tubi	CHANGE WELL STATUS  CHANGE WELL STATUS  DEEPEN  OPERATOR CHANGE  PRODUCTION START OR RESUME  REPERFORATE CURRENT FORMATION  TUBING REPAIR  WATER SHUTOFF  WILDCAT WELL DETERMINATION  COMPLETED OPERATIONS. Clearly show all sing to lower the tubing on this ng is currently set at 5952'. Plers with questions at 303.312	well to enhance lease contact Brian	CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  APD EXTENSION  OTHER: lower tubing  Depths, volumes, etc.  Accepted by the Utah Division of Oil, Gas and Mining  Date: February 16, 2012  By:
NAME (PLEASE PRINT)	PHONE NUMBER	R  TITLE	
Brady Riley	303 312-8115	Permit Analyst	
SIGNATURE   N/A		<b>DATE</b> 2/13/2012	

Sundry Number: 24779 API Well Number: 43007314080000

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURC DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0681
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly or reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME: PETERS POINT
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: PPU FED 12-26D-12-16
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3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300	, Denver, CO, 80202 3	PHONE NUMBER: 03 312-8164 Ext	9. FIELD and POOL or WILDCAT: PETERS POINT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0301 FSL 1502 FWL			COUNTY: CARBON
QTR/QTR, SECTION, TOWNSI Qtr/Qtr: SESW Section: 2	HIP, RANGE, MERIDIAN: 26 Township: 12.0S Range: 16.0E Meridi	an: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	✓ CHANGE TUBING	CHANGE WELL NAME
,	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
3/29/2012	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
12 DESCRIPE PROPOSED OR	COMPLETED OPERATIONS. Clearly show a	Il partinant datails including dates	Nonthe valumes etc
Attached to this sur tubing on this well	ndry are the procedures that from 3/27/2012 through 3/27/2012 through 3/27/2012 Riley at 303-312-8115 with	took place to lower the 9/2012. Please contact	Accepted by the
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBI 303 312-8115	ER TITLE Permit Analyst	
SIGNATURE	303 312-0113	DATE	
N/A		4/12/2012	

Sundry Number: 24779 API Well Number: 43007314080000



	S Point	#12-2	בו-עס:	2-16 3/1/2012 00								
API/UWI		_	tate/Provinc		Field Nam		Well Status	Total De	epth (ftKB)	Primary Job Type		
13-007-3		Ų	Jtah	Carbon	West Ta	Tavaputs Drilling		7,959.0	Workover			
ime Lo				,								
Start Time	Dur (hr)	End Time	Code	Category				Co	om			
Peter	's Point	#12-2	6D-12	2-16 3/27/2012 (	06:00 -	3/28/2	012 06:00					
API/UWI		S	tate/Provinc	[)	Field Nam	Э	Well Status	Total De	epth (ftKB)	Primary Job Type		
13-007-3	1408	ι	Jtah	Carbon	West Ta	avaputs	Drilling		7,959.0	Workover		
Γime Lo												
Start Time	Dur (hr)	End Time		Category				Co	om			
06:00	12.00	18:00	FBCK	Flowback Well		Productio	n					
18:00	1.50	19:30	SRIG	Rig Up/Down		RU Wildo	at WSU.					
19:30	1.50	21:00	ВОРІ	Install BOP's	BOP's		bing.5 bbl. ND tree.	NU BOPS/Anni	BOPS/Annular. RU work floor. 200 fluid b			
						·	· ·					
21:00	9.00	06:00	FBCK	Flowback Well		Casing to sales.						
Dotor	's Point	#12-2	6D-12	2-16 3/28/2012 (	ne·nn -							
API/UWI	3101111		tate/Province		Field Name		IWell Status	I Total Da	epth (ftKB)	Primary Job Type		
43-007-3	1408	1 -	Jtah	Carbon	West Ta	-	Drilling	Total De		Workover		
Time Lo	a			1	1		]9	I	.,			
	Dur (hr)	End Time	Code	Category				Co	om			
				+ <u> </u>								
Start Time		07:00	CTRL	Crew Travel		CREW TI	RAVEL, SAFETY ME	EETING, TFP 30	0, SICP 250			
Start Time 06:00	1.00						· · · · · · · · · · · · · · · · · · ·		*	RIP OUT TRG HANGER		
Start Time 6:00	1.00	07:00 09:00	WKLL	Crew Travel Kill Well		PUMP 5 I	· · · · · · · · · · · · · · · · · · ·	PUMP 20 BBL K	*	RIP OUT TBG HANGER		
06:00 07:00	1.00	09:00	WKLL	Kill Well		PUMP 5 I RIG UP V	BBL KILL ON TBG, I VEATHERFORD SP	PUMP 20 BBL K	(ILL ON CSG, ST			
06:00 07:00	1.00 2.00 3.50	09:00 12:30	WKLL	Kill Well Pull Tubing		PUMP 5 I RIG UP V POOH W	BBL KILL ON TBG, I VEATHERFORD SP / 186 JTS 2 3/8 TBC	PUMP 20 BBL K POOLER G, INJ MANDRE	L, & CAP STRI			
Start Time 06:00 07:00 09:00 12:30	1.00 2.00 3.50 1.50	09:00 12:30 14:00	WKLL PULT PULT	Kill Well Pull Tubing Pull Tubing		PUMP 5 I RIG UP V POOH W LAY DOV	BBL KILL ON TBG, I VEATHERFORD SP / 186 JTS 2 3/8 TBC VN 51 JTS 2 7/8 UF	PUMP 20 BBL K POOLER G, INJ MANDRE & 4 JTS 2 3/8 L	L, & CAP STRI	NG,		
Start Time 16:00 17:00 19:00 2:30	1.00 2.00 3.50 1.50	09:00 12:30	WKLL	Kill Well Pull Tubing		PUMP 5 I RIG UP V POOH W LAY DOV	BBL KILL ON TBG, I VEATHERFORD SP / 186 JTS 2 3/8 TBC VN 51 JTS 2 7/8 UF	PUMP 20 BBL K POOLER G, INJ MANDRE & 4 JTS 2 3/8 L	L, & CAP STRI	NG,		
06:00 07:00 09:00 12:30	1.00 2.00 3.50 1.50 2.00	09:00 12:30 14:00 16:00	WKLL PULT PULT RUTB	Kill Well Pull Tubing Pull Tubing Run Tubing		PUMP 5 I RIG UP V POOH W LAY DOV MAKE UF	BBL KILL ON TBG, I VEATHERFORD SP / 186 JTS 2 3/8 TBC /N 51 JTS 2 7/8 UF P MSC, 1 JT 2 3/8, X	PUMP 20 BBL K OOLER 3, INJ MANDRE & 4 JTS 2 3/8 L (N NIPPLE & RII	L, & CAP STRI BO H TALLEYING T	NG, O 5820, ALL IN DERRIC		
Start Time 06:00 07:00 09:00 2:30 4:00	1.00 2.00 3.50 1.50 2.00	09:00 12:30 14:00	WKLL PULT PULT	Kill Well Pull Tubing Pull Tubing		PUMP 5 I RIG UP V POOH W LAY DOW MAKE UF	BBL KILL ON TBG, I VEATHERFORD SP / 186 JTS 2 3/8 TBC /N 51 JTS 2 7/8 UF P MSC, 1 JT 2 3/8, X 2 7/8 UF & 2 3/8 OI	PUMP 20 BBL K OOLER 3, INJ MANDRE & 4 JTS 2 3/8 L (N NIPPLE & RII FF PIPE RACKS	L, & CAP STRI BO H TALLEYING T	NG, O 5820, ALL IN DERRIC		
06:00 07:00 09:00 12:30 14:00	1.00 2.00 3.50 1.50 2.00	09:00 12:30 14:00 16:00	WKLL PULT PULT RUTB	Kill Well Pull Tubing Pull Tubing Run Tubing		PUMP 5 I RIG UP V POOH W LAY DOW MAKE UF	BBL KILL ON TBG, I VEATHERFORD SP / 186 JTS 2 3/8 TBC /N 51 JTS 2 7/8 UF P MSC, 1 JT 2 3/8, X	PUMP 20 BBL K OOLER 3, INJ MANDRE & 4 JTS 2 3/8 L (N NIPPLE & RII FF PIPE RACKS	L, & CAP STRI BO H TALLEYING T	O 5820, ALL IN DERRICI		

www.peloton.com Page 1/1 Report Printed: 3/29/2012

# Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)	Operator Name Change/Merger											
The operator of the well(s) listed below has change	ged, effecti	ive:	1/1/2014									
FROM: (Old Operator): N2165-Bill Barrett Corporation 1099 18th Street, Suite 230 Denver, CO 80202	N2165-Bill Barrett Corporation 1099 18th Street, Suite 230 Denver, CO 80202						TO: ( New Operator): N4040-EnerVest Operating, LLC 1001 Fannin Street, Suite 800 Houston, TX 77002					
Phone: 1 (303) 312-8134			Phone: 1 (713) 659-3500									
CA No.	CA No.				Unit: Peter Point							
	SEC TW	N RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS					
See Attached List							I					
OPERATOR CHANGES DOCUMENTA Enter date after each listed item is completed  1. (R649-8-10) Sundry or legal documentation wa  2. (R649-8-10) Sundry or legal documentation wa  3. The new company was checked on the <b>Departm</b> 4a. Is the new operator registered in the State of U  5a. (R649-9-2) Waste Management Plan has been re  5b. Inspections of LA PA state/fee well sites comple	s received s received nent of Co tah: ceived on: ete on:	from the	e NEW operator e, Division of Co Business Numb Not Yet Yes	on: orporation	1/7/2014 1/7/2014 s Database on: 8850806-0161		1/28/2014					
<ul> <li>5c. Reports current for Production/Disposition &amp; S</li> <li>6. Federal and Indian Lease Wells: The BL or operator change for all wells listed on Federal</li> <li>7. Federal and Indian Units:</li> </ul>	the BIA	= =	e merger, na		BIA	_ N/A						
<ol> <li>Federal and Indian Units:         <ul> <li>The BLM or BIA has approved the successor</li> </ul> </li> <li>Federal and Indian Communization Agrange The BLM or BIA has approved the operator of the Underground Injection Control ("UIC" Inject, for the enhanced/secondary recovery underground Injection Control ("UIC" Inject, for the enhanced/secondary recovery underground Injection Control ("UIC" Inject, for the enhanced/secondary recovery underground Injection Control ("UIC" Inject, for the enhanced/secondary recovery underground Injection Control ("UIC" Inject, for the enhanced/secondary recovery underground Injection Control ("UIC" Inject, for the enhanced/secondary recovery underground Injection Control ("UIC" Inject, for the enhanced/secondary recovery underground Injection Control ("UIC" Inject, for the enhanced/secondary recovery underground Injection Control ("UIC" Inject, for the enhanced/secondary recovery underground Injection Control ("UIC" Inject, for the enhanced/secondary recovery underground Injection Control ("UIC" Inject, for the enhanced/secondary recovery underground Injection Control ("UIC" Inject, for the enhanced/secondary recovery underground Injection Control ("UIC" Inject, for the enhanced/secondary recovery underground Injection Control ("UIC" Inject, for the enhanced ("UIC" Inject, for the</li></ol>	reements for all well ) Division	s ("CA" s listed von has a	'): vithin a CA on: pproved UIC F	orm 5 Tra		ity to Yes	_					
<ol> <li>Changes entered in the Oil and Gas Database</li> <li>Changes have been entered on the Monthly Op</li> <li>Bond information entered in RBDMS on:</li> <li>Fee/State wells attached to bond in RBDMS on</li> <li>Injection Projects to new operator in RBDMS of</li> </ol>	erator Cl : on:		1/28/2014 oread Sheet on: 1/28/2014 1/28/2014 1/28/2014	- - -	1/28/2014							
<ul><li>6. Receipt of Acceptance of Drilling Procedures for</li><li>7. Surface Agreement Sundry from NEW operator</li><li>BOND VERIFICATION:</li></ul>				1/7/2014 1/7/2014	•							
<ol> <li>Federal well(s) covered by Bond Number:</li> <li>Indian well(s) covered by Bond Number:</li> <li>(R649-3-1) The NEW operator of any state/fe</li> <li>The FORMER operator has requested a release</li> </ol>			- - umber N/A	B008371								
LEASE INTEREST OWNER NOTIFIC  4. (R649-2-10) The NEW operator of the fee wells of their responsibility to notify all interest owner  COMMENTS:	has been o	contacte		by a letter fr 1/28/2014								

# Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040) Effective 1/1/2014 Peter Point Unit

				Peter Point L						,
Well Name	·					Mineral	Lease	Surface Lease	Well Type	Well Status
PPU FED 11-34D-12-16			160E			Federal		Federal	GW	APD
PPU FED 10-34D-12-16		120S	160E			Federal		Federal	GW	APD
PETERS POINT UF 15X-36D-12-16		120S	160E	4300750178	·	Federal		Federal	GW	APD
PETERS POINT UF 10-1D-13-16		120S	160E	4300750182		Federal		Federal	GW	APD
PETERS POINT UF 9-1D-13-16	36	120S	160E	4300750183		Federal		Federal	GW	APD
PPU FED 9-34D-12-16	34		160E	4300731430	17225	Federal		Federal	GW	OPS
PPU FED 15-35D-12-16	35	120S	160E	4300731475		Federal		Federal	GW	OPS
PETERS POINT U FED 12A-6D-13-17	31	120S	170E	4300750034	2470	Federal		Federal	GW	OPS
PETERS POINT U FED 11A-31D-12-17	31	120S	170E	4300750036	2470	Federal		Federal	GW	OPS
PETERS POINT U FED 9-6D-13-17	6	130S	170E	4300750120	2470	Federal		Federal	GW	OPS
PETERS POINT U FED 14-6D-13-17	6	130S	170E	4300750121	2470	Federal		Federal	GW	OPS
PETERS POINT U FED 15-6D-13-17	6	130S	170E	4300750122	2470	Federal		Federal	GW	OPS
PETERS POINT UF 2-7D-13-17	6	130S	170E	4300750149	2470	Federal		Federal	GW	OPS
PETERS POINT UF 1-7D-13-17	6	130S	170E	4300750150	2470	Federal		Federal	GW	OPS
PETERS POINT U FED 36-2		120S	160E	4300730761		Federal		Federal	GW	P
PETERS POINT U FED 36-3		120S	160E	4300730762		Federal		Federal	GW	P
PETERS POINT U FED 36-4		120S	160E	4300730763		Federal		Federal	GW	P
PETERS POINT U FED 14-25D-12-16		120S	160E	4300730764		Federal		Federal	GW	P
PETERS POINT U FED 4-31D-12-17	_	120S	160E	4300730810		Federal		Federal	GW	P
PETERS POINT U FED 16-26D-12-16		120S	160E	4300730812		Federal		Federal	GW	P
PETERS POINT U FED 6-7D-13-17		130S	170E	4300730859		Federal		Federal	GW	P
PETERS POINT U FED 16-35	_	120S	160E	4300730965		Federal		Federal	GW	P
PETERS POINT U FED 11-6-13-17		130S	170E	4300730982		Federal		Federal	GW	P
PETERS POINT U FED 16-6D-13-17		130S	170E	430073004		Federal		Federal	GW	P
PETERS POINT U FED 16-31D-12-17		130S	170E	4300731004		Federal		Federal	GW	P
PETERS POINT U FED 12-31D-12-17		120S	160E	4300731009		Federal		Federal	GW	P
PETERS POINT U FED 2-36D-12-16		120S	160E		-	Federal		Federal	GW	P
PETERS POINT U FED 9-36-12-16	_	120S	160E	4300731010		Federal		Federal	GW	P
PETERS POINT U FED 9-36-12-16  PETERS POINT U FED 8-35D-12-16	_	120S 120S	160E			Federal			GW	P
PETERS POINT U FED 4-12D-13-16		120S 130S	160E	4300731024				Federal	GW	P
PETERS POINT U FED 2-12D-13-16	_		170E	4300731049				State	GW	P
PETERS POINT U FED 10-36D-12-16	·	130S		4300731158				Federal		P
		120S	160E	4300731174		Federal		Federal	GW	
PETERS POINT U FED 12-36D-12-16		120S	160E	4300731175		Federal		Federal	GW	P
PPU FED 15-6D-13-17		130S		4300731261				Federal	GW	P
PP UF 3-36-12-16	+			4300731271				Federal	GW	P
PP UF 6-36-12-16		120S	160E	4300731272		Federal		Federal	GW	P
PPU FED 6-35D-12-16	-	120S	160E	4300731275		Federal		Federal	GW	P
PPU FED 8-34-12-16	<del> </del>	120S	160E	4300731279		Federal		Federal	GW	P
PPU FED 6-34D-12-16		120S	160E	4300731281		Federal		Federal	GW	P
PPU FED 7-1D-13-16 ULTRA DEEP	<del>}                                    </del>		170E	4300731293				Federal	GW	P
PPU FED 16-27-12-16	1	120S	160E	4300731318		Federal		Federal	GW	P
PPU FED 10-27D-12-16		120S	160E	4300731319		Federal		Federal	GW	P
PPU FED 2-34D-12-16		120S	160E	4300731320		Federal		Federal	GW	P
PPU FED 2-7D-13-17 DEEP		130S	170E	4300731326				Federal	GW	P
PPU FED 2-35D-12-16	35	120S	160E	4300731345	2470	Federal		Federal	GW	P
PPU FED 7-35D-12-16	35	120S	160E	4300731346	2470	Federal		Federal	GW	P
PPU FED 4-35D-12-16	35	120S	160E	4300731347	2470	Federal		Federal	GW	P
PPU FED 7-36D-12-16	36	120S	160E	4300731348	2470	Federal		Federal	GW	P
PPU FED 11-36D-12-16	36	120S	160E	4300731349	2470	Federal		Federal	GW	P
PPU FED 15-25D-12-16	36	120S	160E	4300731351	2470	Federal		Federal	GW	P
PPU FED 13-25D-12-16		120S	160E	4300731352		Federal		Federal	GW	P
PPU FED 4-36D-12-16	-	120S	160E			Federal		Federal	GW	P
PPU FED 1-35D-12-16		120S	160E	4300731365		Federal		Federal	GW	P
PPU FED 13-26D-12-16		120S	160E	4300731403		Federal		Federal	GW	P
PPU FED 15-26D-12-16	·	120S	160E	4300731404		Federal		Federal	GW	P
PPU FED 3-35D-12-16		120S		4300731404		Federal		Federal	GW	P
1101603-330-12-10	20	1400	TOOL	TJ00131403	24/0	Loucial		1 cuciai	UW	1

# Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040) Effective 1/1/2014 Peter Point Unit

Well Name	Sec TWN		API Number		Mineral Lease	Surface Lease	Well Type	Well Status
PPU FED 10-26D-12-16	26 120S	160E	4300731406		Federal	Federal	GW	P
PPU FED 11-26D-12-16	26 120S	160E	4300731407		Federal	Federal	GW	P
PPU FED 12-26D-12-16	26 120S	160E	4300731408		Federal	Federal	GW	P
PPU FED 11-27D-12-16	27 120S	160E	4300731409		Federal	Federal	GW	P
PPU FED 15-27D-12-16	27 120S	160E	4300731410		Federal	Federal	GW	P
PPU FED 9-27D-12-16	27 120S	160E	4300731411		Federal	Federal	GW	P
PPU FED 1-34D-12-16	34 120S	160E	4300731427		Federal	Federal	GW	P
PPU FED 7-34D-12-16	34 120S	160E	4300731428		Federal	Federal	GW	P
PPU FED 5-35D-12-16	34 120S	160E			Federal	Federal	GW	P
PPU FED 3-34D-12-16	34 120S	160E			Federal	Federal	GW	P
PPU FED 5-34D-12-16	34 120S	160E			Federal	Federal	GW	P
PPU FED 4-34D-12-16	34 120S	160E	4300731467		Federal	Federal	GW	P
		160E			Federal	Federal	GW	P
PPU FED 10-35D-12-16	35 120S		4300731474				GW	P
PPU FED 9-35D-12-16	35 120S	160E	4300731476		Federal	Federal		P
PETERS POINT U FED 9-26D-12-16	25 120S	160E	4300750021		Federal	Federal	GW	·
PETERS POINT U FED 11-25D-12-16	25 120S	160E	4300750022		Federal	Federal	GW	P
PETERS POINT U FED 10-31D-12-17	31 1208	170E	4300750023		Federal	Federal	GW	P
PETERS POINT U FED 11-31D-12-17	31 120S	170E	4300750024		Federal	Federal	GW	P
PETERS POINT U FED 13A-31D-12-17	31 120S	170E	4300750025		Federal	Federal	GW	P
PETERS POINT U FED 13-31D-12-17	31 120S	170E	4300750026		Federal	Federal	GW	P
PETERS POINT U FED 14-31D-12-17	31 120S	170E	4300750027		Federal	Federal	GW	P
PETERS POINT U FED 14A-31D-12-17	31 120S	170E	4300750028		Federal	Federal	GW	P
PETERS POINT U FED 12-25D-12-16	25 120S	160E	4300750029		Federal	Federal	GW	P
PETERS POINT U FED 12-6D-13-17	31 120S	170E			Federal	Federal	GW	P
PETERS POINT U FED 10-25D-12-16	25 120S	160E			Federal	Federal	GW	P
PETERS POINT U FED 13-36D-12-16	36 120S	160E	4300750037		Federal	Federal	GW	P
PETERS POINT U FED 15-36D-12-16	36 120S	160E		••••	Federal	Federal	GW	P
PETERS POINT U FED 11-1D-13-16	36 120S	160E	4300750039	2470	Federal	Federal	GW	P
PETERS POINT U FED 12-1D-13-16	36 120S	160E	4300750040	2470	Federal	Federal	GW	P
PETERS POINT U FED 3A-34D-12-16	27 120S	160E	4300750063	2470	Federal	Federal	GW	P
PETERS POINT U FED 4A-34D-12-16	27 120S	160E	4300750064	2470	Federal	Federal	GW	P
PETERS POINT U FED 12-27D-12-16	27 120S	160E	4300750065	2470	Federal	Federal	GW	P
PETERS POINT U FED 13-27D-12-16	27 120S	160E	4300750066	2470	Federal	Federal	GW	P
PETERS POINT U FED 13A-27D-12-16	27 120S	160E	4300750067	2470	Federal	Federal	GW	P
PETERS POINT U FED 14A-27D-12-16	27 120S	160E	4300750069	2470	Federal	Federal	GW	P
PETERS POINT U FED 5-31D-12-17	36 120S	160E	4300750109	2470	Federal	Federal	GW	P
PETERS POINT U FED 6-31D-12-17	36 120S	160E	4300750116	2470	Federal	Federal	GW	P
PETERS POINT U FED 9X-36D-12-16	36 120S	160E	4300750117	2470	Federal	Federal	GW	P
PETERS POINT U FED 1-36D-12-16	36 120S	160E	4300750118	2470	Federal	Federal	GW	P
PETERS POINT U FED 10-6D-13-17	6 130S	170E	4300750119	2470	Federal	Federal	GW	P
PETERS POINT U FED 15-31D-12-17	6 130S	170E	4300750123	2470	Federal	Federal	GW	P
PETERS POINT UF 12-5D-13-17	6 130S	170E	4300750151	2470	Federal	Federal	GW	P
PETERS POINT UF 13-5D-13-17	6 130S	170E	4300750152	2470	Federal	Federal	GW	P
PETERS POINT UF 13-30D-12-17	30 120S	170E	4300750153	18347	Federal	Federal	GW	P
PETERS POINT UF 14-30D-12-17	30 120S	170E				Federal	GW	P
PETERS POINT UF 12-30D-12-17	30 120S	170E			Federal	Federal	GW	P
PETERS POINT UF 11-30D-12-17	30 120S	170E				Federal	GW	P
PETERS POINT UF 3-31D-12-17	30 120S	170E	4300750157		Federal	Federal	GW	P
PETERS POINT UF 2-31D-12-17	30 120S	170E				Federal	GW	P
PETERS POINT UF 16-25D-12-16	30 120S	170E			Federal	Federal	GW	P
PETERS POINT UF 9-25D-12-16	30 120S	170E			Federal	Federal	GW	P
PETERS POINT UF 7X-36D-12-16	36 120S	160E			Federal	Federal	GW	P
PETERS POINT UF 7X-36D-12-16  PETERS POINT UF 8-36D-12-16	36 120S	160E			Federal	Federal	GW	P
PPU FED 14-26D-12-16	26 120S		4300730232	-	Federal	Federal	GW	S
						-		
PPU FED 5-36D-12-16	36 120S	TOUE	4300731350	2470	Federal	Federal	GW	S

FORM 9

# STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: (see attached well list)
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged we drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL  OIL WELL  ORS WELL  OTHER  OTHER	8. WELL NAME and NUMBER:  (see attached well list)
2. NAME OF OPERATOR:	9. API NUMBER:
ENERVEST OPERATING, LLC  3. ADDRESS OF OPERATOR: PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
1001 FANNIN, ST. STE 800 CITY HOUSTON STATE TX ZIP 77002 (713) 659-35	
4. LOCATION OF WELL  FOOTAGES AT SURFACE: (see attached well list)	COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
OUTOX ADDDODDIATE DOVED TO INDICATE NATURE OF NOTICE	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start:  1/1/2014 CHANGE TO PREVIOUS PLANS CHANGE TUBING Date of work completion:  COMMINGLE PRODUCING FORMATIONS  CONVERT WELL TYPE  PRECLAMATION OF WELL SITE  CONVERT WELL TYPE  CENERVEST OPERATING, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION  ACIDIZE  DEEPEN  ACIDIZE DEEPEN  ACIDIZE DEEPEN  FRACTURE TREAT  ALTER CASING FRACTURE TREAT  NEW CONSTRUCTION OPERATOR CHANGE PRODUCING PRODUCING PRODUCING PRODUCTION (START/RESUME COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE CONVERT WELL TYPE RECOMPLETE - DIFFERENT FOR  TOWNS AND THE CATION ATTACHED LIST HAVE BEEN SOLD TO ENERVEST OPERATING, LLC BY BILL E EFFECTIVE 1/1/2014. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE EnerVest Operating, L.L.C.  1001 Fannin, Suite 800 Houston, Texas 77002	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF OTHER: RMATION This, volumes, etc. THAT THE WELLS LISTED ON THE BILL BARRETT CORPORATION
713-659-3500 (BLM BOND # RLB 7886 , STATE/FEE BOND # BONS 32/	)
•	PERATING, LLC
Duane Zavadi/AME (PLEASE PRINT)  Non 2m/s Signature  Senior Vice President -  EH&S, Government and Regulatory Affairs  N21165	YOUNG NAME (PLEASE PRINT)  LEGULATORY  N4040
PONNIE VOUNG DIRECTO	DR - REGULATORY
SIGNATURE DATE 12/10/201	
(This space for State use on APPROVED	DECEIVED

KECEIVED

JAN 07 2014

JAN 2 8 2013 4 - RT DELOIL GAS & MINING

(See Instructions on Reverse Side)

Well Name	Sec	TWN	RNG API Number E1	ntity Lease	Well Type	Well Status	Unit
JACK CANYON UNIT 8-32	32	120S	160E 4300730460	15167 State	WI	A	
JACK CYN U ST 14-32	32	120S	160E 4300730913	15166 State	WD	A	
PRICKLY PEAR U FED 12-24	24	120S	140E 4300730953	14467 Federal	WD	A	
PPU FED 11-23D-12-15	23	120S	150E 4300731440	Federal	GW	APD	PRICKLY PEAR
PPU FED 4-26D-12-15	23	120S	150E 4300731441	Federal	GW	APD	PRICKLY PEAR
PPU FED 14-23D-12-15	23	120S	150E 4300731442	Federal	GW	APD	PRICKLY PEAR
PPU FED 12-23D-12-15	23	120S	150E 4300731443	Federal	GW .	APD	PRICKLY PEAR
PPU FED 11-34D-12-16	34	120S	160E 4300731465·	Federal	GW	APD	PETERS POINT
PPU FED 10-34D-12-16	34	120S	160E 4300731469	Federal	GW	APD	PETERS POINT
HORSE BENCH FED 4-27D-12-16	27	120S	160E 4300750092	Federal	GW	APD	
HORSE BENCH FED 5-27D-12-16	27	120S	160E 4300750093	Federal	GW	APD	
PRICKLY PEAR U FED 12-7D-12-15	07	120S	150E 4300750094	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 11-7D-12-15	07	120S	150E 4300750095	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 13-7D-12-15	07	120S	150E 4300750096	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 14-7D-12-15	07	120S	150E 4300750097	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-8D-12-15	08	120S	150E 4300750124	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-8D-12-15	08	120S	150E 4300750125	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-8D-12-15	08	120S	150E 4300750126	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14-8D-12-15	08	120S	150E 4300750127	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-21D-12-15	21	120S	150E 4300750128	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-21D-12-15	21	120S	150E 4300750129	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-21D-12-15	21	120S	150E 4300750130	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-21D-12-15	21	120S	150E 4300750131	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-21D-12-15	21	120S	150E 4300750132	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15X-21D-12-15	21	120S	150E 4300750133	Federal	. GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-21D-12-15	21	120S	150E 4300750134	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-21D-12-15	21	120S	150E 4300750135	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-22D-12-15	21	120S	150E 4300750148	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1A-27D-12-15	22	120S	150E 4300750161	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2A-27D-12-15	22	120S	150E 4300750162	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-27D-12-15	22	120S	150E 4300750163	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-22D-12-15	22	120S	150E 4300750164	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-22D-12-15	22	120S	150E 4300750165	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-22D-12-15	22	120S	150E 4300750166	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-22D-12-15	22	120S	150E 4300750167	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-22D-12-15	22	120S	150E 4300750168	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-22D-12-15	22	120S	150E 4300750169	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-22D-12-15	22	120S	150E 4300750170	Federal	GW	APD	PRICKLY PEAR
PETERS POINT UF 15X-36D-12-16	36	120S	160E 4300750178	Federal	GW	APD	PETERS POINT
PRICKLY PEAR UF 15A-15D-12-15	15	120S	150E 4300750180	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11B-15D-12-15	15	120S	150E 4300750181	Federal	GW	APD	PRICKLY PEAR
PETERS POINT UF 10-1D-13-16	36	120S	160E 4300750182	Federal	GW	APD	PETERS POINT
PETERS POINT UF 9-1D-13-16	36	120S	160E 4300750183	Federal	GW	APD	PETERS POINT
PRICKLY PEAR UF 16A-15D-12-15	15	120S	150E 4300750184	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-18D-12-15	07	120S	150E 4300750185	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4A-18D-12-15	07	120S	150E 4300750186	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-7D-12-15	07	120S	150E 4300750187	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-18D-12-15	07	120S	150E 4300750188	Federal	GW	APD	PRICKLY PEAR

DDICKLY DDAR HE 10 A GD 10 15	07	1000	150E 4200750190	Endon-1	GW	V DL	PRICKLY PEAR
PRICKLY PEAR UF 12A-7D-12-15 PRICKLY PEAR UF 13A-7D-12-15	07 07	120S 120S	150E 4300750189 150E 4300750190	Federal Federal	GW GW	APD APD	PRICKLY PEAR
	07	120S	150E 4300750191	Federal	GW GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-7D-12-15			140E 4300750205	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR FEDERAL 1-12D-12-14	12 12	120S		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-12D-12-14		120S	140E 4300750206				PRICKLY PEAR
PRICKLY PEAR UF 7-12D-12-14	12	120S	140E 4300750207	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-12D-12-14	12	120S	140E 4300750208	Federal	GW	APD	
PRICKLY PEAR UF 8-12D-12-14	12	120S	140E 4300750209	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-7D-12-15	12	120S	140E 4300750210	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-7D-12-15	12	120S	140E 4300750211	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-12D-12-14	12	120S	140E 4300750212	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-7D-12-15	12	120S	140E 4300750213	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-14D-12-15	14	120S	150E 4300750214	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-14D-12-15	14	120S	150E 4300750215	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-14D-12-15	14	120S	150E 4300750217	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-14D-12-15	14	120S	150E 4300750218	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-14D-12-15	14	120S	150E 4300750219	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-14D-12-15	14	120S	150E 4300750220	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-14D-12-15	14	120S	150E 4300750222	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-14D-12-15	14	120S	150E 4300750223	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-14D-12-15	14	120S	150E 4300750224	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1A-18D-12-15	07	120S	150E 4300750225	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2A-18D-12-15	07	120S	150E 4300750226	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-7D-12-15	07	120S	150E 4300750227	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-7D-12-15	07	120S	150E 4300750228	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-7D-12-15	07	120S	150E 4300750229	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-7D-12-15	07	120S	150E 4300750230	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-12D-12-14	12	120S	140E 4300750233	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-12D-12-14	12	120S	140E 4300750234	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-12D-12-14	12	120S	140E 4300750235	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-8D-12-15	08	120S	150E 4300750236	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-12D-12-14	12	120S	140E 4300750237	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-8D-12-15	08	120S	150E 4300750238	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-8D-12-15	08	120S	150E 4300750239	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-8D-12-15	08	120S	150E 4300750240	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-8D-12-15	08	120S	150E 4300750260	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-8D-12-15	08	120S	150E 4300750261	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-8D-12-15	08	120S	150E 4300750262	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-8D-12-15	08	120S	150E 4300750263	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-8D-12-15	08	120S	150E 4300750264	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-8D-12-15	08	120S	150E 4300750265	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-8D-12-15	08	120S	150E 4300750266	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-8D-12-15	08	120S	150E 4300750267	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-8D-12-15	08	120S	150E 4300750268	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-8D-12-15	08	120S	150E 4300750269	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-8D-12-15	08	120S	150E 4300750270	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-8D-12-15	08	120S	150E 4300750271	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-8D-12-15	08	120S	150E 4300750272	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-8D-12-15	08	120S	150E 4300750273	Federal	GW	APD	PRICKLY PEAR

PRICKLY PEAR UF 5-9D-12-15	09	120S	150E 4300750274	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-9D-12-15	09	120S	150E 4300750275	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-9D-12-15	09	120S	150E 4300750276	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-9D-12-15	09	120S	150E 4300750277	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-9D-12-15	09	120S	150E 4300750278	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-9D-12-15	09	120S	150E 4300750279	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-9D-12-15	09	120S	150E 4300750280	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-9D-12-15	09	120S	150E 4300750281	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-9D-12-15	09	120S	150E 4300750282	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR US 1X-16D-12-15	10	120S	150E 4300750283	State	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-15D-12-15	10	120S	150E 4300750284	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-15D-12-15	10	120S	150E 4300750285	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-15D-13-15	10	120S	150E 4300750286	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-10D-12-15	15	120S	150E 4300750287	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-10D-12-15	10	120S	150E 4300750288	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15-10D-12-15	15	120S	150E 4300750289	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-10D-12-15	15	120S	150E 4300750290	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-10D-12-15	15	120S	150E 4300750291	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-10D-12-15	10	120S	150E 4300750292	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-10D-12-15	15	120S	150E 4300750293	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-10D-12-15	15	120S	150E 4300750294	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-11D-12-15	15	120S	150E 4300750295	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-11D-12-15	15	120S	150E 4300750296	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-11D-12-15	15	120S	150E 4300750297	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-10D-12-15	10	120S	150E 4300750298	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-10D-12-15	10	120S	150E 4300750299	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-10D-12-15	10	120S	150E 4300750300	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-15D-12-15	10	120S	150E 4300750301	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-14D-12-15	14	120S	150E 4300750302	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-15D-12-15	10	120S	150E 4300750303	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4A-15D-12-15	10	120S	150E 4300750304	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14-10D-12-15	10	120S	150E 4300750305	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-17D-12-15	17	120S	150E 4300750306	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-17D-12-15	17	120S	150E 4300750307	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-17D-12-15	17	120S	150E 4300750308	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-7D-12-15	07	120S	150E 4300750309	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-17D-12-15	17	120S	150E 4300750310	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-7D-12-15	07	120S	150E 4300750311	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-17D-12-15	17	120S	150E 4300750312	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-7D-12-15	07	120S	150E 4300750313	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-7D-12-15	07	120S	150E 4300750314	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-7D-12-15	07	120S	150E 4300750315	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6X-17D-12-15	17	120S	150E 4300750316	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-17D-12-15	17	120S	150E 4300750317	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15B-17D-12-15	17	120S	150E 4300750318	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-20D-12-15	20	120S	150E 4300750319	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-7D-12-15	07	120S	150E 4300750320	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-20D-12-15	20	120S	150E 4300750321	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-20D-12-15	20	120S	150E 4300750322	Federal	GW	APD	PRICKLY PEAR
TEGERAL TERMS OF SILEON IN 10							

PRICKLY PEAR UF 10A-20D-12-15	20	120S	150E 4300750323	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-20D-12-15	20	120S	150E 4300750324	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-7D-12-15	07	120S	150E 4300750325	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-20D-12-15	20	120S	150E 4300750326	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-20D-12-15	20	120S	150E 4300750327	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-20D-12-15	20	120S	150E 4300750328	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-7D-12-15	07	120S	150E 4300750329	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15-20D-12-15	20	120S	150E 4300750330	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-7D-12-15	07	120S	150E 4300750331	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-10D-12-15	09	120S	150E 4300750332	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-10D-12-15	09	120S	150E 4300750333	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-10D-12-15	09	120S	150E 4300750334	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-10D-12-15	09	120S	150E 4300750335	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-10D-12-15	09	120S	150E 4300750336	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-10D-12-15	09	120S	150E 4300750338	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-10D-12-15	09	120S	150E 4300750339	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-10D-12-15	09	120S	150E 4300750340	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-9D-12-15	09	120S	150E 4300750341	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-9D-12-15	09	120S	150E 4300750342	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-9D-12-15	09	120S	150E 4300750343	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-9D-12-15	09	120S	150E 4300750344	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-9D-12-15	09	120S	150E 4300750345	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-9D-12-15	09	120S	150E 4300750346	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-24D-12-1	24	120S	150E 4300750348	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-13D-12-15	13	120S	150E 4300750349	Federal	GW	APD	PRICKLY PEAR
HORSE BENCH FED 4-20D-12-17	19	120S	170E 4300750350	Federal	GW	APD	
Horse Bench Federal 16-18D-12-17	19	120S	170E 4300750351	Federal	GW	APD	
PPU FED 9-34D-12-16	34	120S	160E 4300731430	17225 Federal	GW	OPS	PETERS POINT
PPU FED 15-35D-12-16	35	120S	160E 4300731475	2470 Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 12A-6D-13-17	31	120S	170E 4300750034	2470 Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 11A-31D-12-17	31	120S	170E 4300750036	2470 Federal	GW	OPS	PETERS POINT
PRICKLY PEAR U FED 7-21D-12-15	21	120S	150E 4300750055	14794 Federal	GW	OPS	PRICKLY PEAR
PETERS POINT U FED 9-6D-13-17	06	130S	170E 4300750120	2470 Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 14-6D-13-17	06	130S	170E 4300750121	2470 Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 15-6D-13-17	06	130S	170E 4300750121	2470 Federal	GW	OPS	PETERS POINT
PETERS POINT UF 2-7D-13-17	06		170E 4300750149	2470 Federal	GW	OPS	PETERS POINT
PETERS POINT UF 1-7D-13-17	06	130S	170E 4300750150	2470 Federal	GW	OPS	PETERS POINT
PRICKLY PEAR US 1A-16D-12-15	09	120S	150E 4300750192	14794 State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR US 2A-16D-12-15	09	120S	150E 4300750192	14794 State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR US 2-16D-12-15	09	120S	150E 4300750194	14794 State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 9A-9D-12-15	09	120S	150E 4300750194	14794 Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 10-9D-12-15	09	120S	150E 4300750190	14794 Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 10A-9D-12-15	09	120S	150E 4300750197	14794 Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 14-9D-12-15	09	120S	150E 4300750199	14794 Federal	GW GW	OPS OPS	PRICKLY PEAR PRICKLY PEAR
PRICKLY PEAR UF 14A-9D-12-15	09	120S	150E 4300750200	14794 Federal	GW		
PRICKLY PEAR UF 15-9D-12-15	09	120S	150E 4300750201	14794 Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 15A-9D-12-15	09	120S	150E 4300750203	14794 Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 16A-9D-12-15	09	120S	150E 4300750204	14794 Federal	GW	OPS	PRICKLY PEAR
SHARPLES 1 GOVT PICKRELL	11	120S	150E 4300716045	7030 Federal	GW	P	

STONE CABIN UNIT 1	13	120S	140E 4300716542	12052 Federal	GW	P	
STONE CABIN FED 1-11	11	120S	140E 4300730014	6046 Federal	GW	P	
STONE CABIN FED 2-B-27	27	120S	150E 4300730018	14794 Federal	GW	P	PRICKLY PEAR
JACK CANYON 101-A	33	120S	160E 4300730049	2455 Federal	GW	P	
PETERS POINT ST 2-2-13-16	02	130S	160E 4300730521	14387 State	GW	P	
PRICKLY PEAR ST 16-15	16	120S	150E 4300730522	14794 State	GW	P	PRICKLY PEAR
PETERS POINT U FED 36-2	36	120S	160E 4300730761	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 36-3	36	120S	160E 4300730762	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 36-4	36	120S	160E 4300730763	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-25D-12-16	36	120S	160E 4300730764	2470 Federal	GW	P	PETERS POINT
HUNT RANCH 3-4	03	120S	150E 4300730775	13158 State	GW	Ρ.,	
PETERS POINT U FED 4-31D-12-17	36	120S	160E 4300730810	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-26D-12-16	36	120S	160E 4300730812	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR UNIT 13-4	13	120S	140E 4300730825	14353 Federal	GW	P	
PRICKLY PEAR UNIT 21-2	21	120S	150E 4300730828	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 6-7D-13-17	06	130S	170E 4300730859	14692 Federal	GW	P	PETERS POINT
PETERS POINT ST 4-2-13-16	02	130S	160E 4300730866	14386 State	GW	P	
PRICKLY PEAR U ST 13-16	16	120S	150E 4300730933	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 11-16	16	120S	150E 4300730944	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 7-16	16	120S	150E 4300730945	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-25	25	120S	150E 4300730954	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 16-35	35	120S	160E 4300730965	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-6-13-17	06	130S	170E 4300730982	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-6D-13-17	06	130S	170E 4300731004	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-31D-12-17	06	130S	170E 4300731005	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 5-13-12-14	13	120S	140E 4300731008	14897 Federal	GW	P	•
PETERS POINT U FED 12-31D-12-17	36	120S	160E 4300731009	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 2-36D-12-16	36	120S	160E 4300731010	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 9-36-12-16	36	120S	160E 4300731011	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U ST 36-06	36	120S	150E 4300731018	14794 State	GW	P	PRICKLY PEAR
PETERS POINT U FED 8-35D-12-16	36	120S	160E 4300731024	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 4-12D-13-16	02	130S	160E 4300731049	14692 Federal	GW	P	PETERS POINT
PETERS POINT ST 5-2D-13-16 DEEP	02	130S	160E 4300731056	15909 State	GW	P	
PRICKLY PEAR U FED 13-23-12-15	23	120S	150E 4300731073	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-27D-12-15	23	120S	150E 4300731074	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-26D-12-15	23	120S	150E 4300731075	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-22D-12-15	23	120S	150E 4300731076	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-28D-12-15	21	120S	150E 4300731121	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 2-12D-13-16	06	130S	170E 4300731158	14692 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 15-21-12-15	21	120S	150E 4300731164	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-28D-12-15	21	120S	150E 4300731165	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 13-21D-12-15	21	120S	150E 4300731166	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 10-36D-12-16	36	120S	160E 4300731174	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-36D-12-16	36	120S	160E 4300731175	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 15-17-12-15	17	120S	150E 4300731183	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11-17D-12-15	17	120S	150E 4300731184	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-22D-12-15	22	120S	150E 4300731186	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-22-12-15	22	120S	150E 4300731187	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-22D-12-15	22	120S	150E 4300731188	14794 Federal	GW	P	PRICKLY PEAR

PRICKLY PEAR 11-15D-12-15	22	120S	150E 4300731189	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-18D-12-15	18	120S	150E 4300731192	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-18-12-15	18	120S	150E 4300731193	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-27D-12-15	27	120S	150E 4300731194	15569 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12-27D-12-15	27	120S	150E 4300731195	15568 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-27-12-15	27	120S	150E 4300731196	15570 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-20D-12-15	20	120S	150E 4300731197	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-20-12-15	20	120S	150E 4300731198	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-20-12-15	20	120S	150E 4300731206	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 2-36-12-15	36	120S	150E 4300731226	15719 State	GW	P	
PRICKLY PEAR U ST 4-36-12-15	36	120S	150E 4300731227	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-27D-12-15	22	120S	150E 4300731237	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 13-22-12-15	22	120S	150E 4300731238	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-27D-12-15	22	120S	150E 4300731239	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 9-16-12-15	16	120S	150E 4300731240	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-28D-12-15	28	120S	150E 4300731241	16028 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-27D-12-15	28	120S	150E 4300731242	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-28-12-15	28	120S	150E 4300731243	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-28D-12-15	28	120S	150E 4300731244	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 1-16-12-15	16	120S	150E 4300731245	14794 State	GW	P	PRICKLY PEAR
PPU FED 11-18D-12-15	18	120S	150E 4300731257	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 11-20D-12-15	20	120S	150E 4300731258	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4-25D-12-15	25	120S	150E 4300731259	14794 Federal	GW	Ρ .	PRICKLY PEAR
PPU FED 12-25D-12-15	25	120S	150E 4300731260	16068 Federal	GW	P	PRICKLY PEAR
PPU FED 15-6D-13-17	06	130S	170E 4300731261	16103 Federal	GW	P	PETERS POINT
PP UF 3-36-12-16	36	120S	160E 4300731271	2470 Federal	GW	P	PETERS POINT
PP UF 6-36-12-16	36	120S	160E 4300731272	2470 Federal	$\mathbf{G}\mathbf{W}$	P	PETERS POINT
PPU FED 6-35D-12-16	35	120S	160E 4300731275	2470 Federal	GW	P	PETERS POINT
PPU FED 14-26D-12-16	26	120S	160E 4300731277	2470 Federal	GW	P	PETERS POINT
PPU FED 8-34-12-16	34	120S	160E 4300731279	2470 Federal	GW	P	PETERS POINT
PP ST 8-2D-13-16 (DEEP)	02	130S	160E 4300731280	16069 State	GW	P	
PPU FED 6-34D-12-16	34	120S	160E 4300731281	2470 Federal	GW	P	PETERS POINT
PPU FED 14-26D-12-15	35	120S	150E 4300731282	16224 Federal	GW -	P	PRICKLY PEAR
PPU FED 2-35-12-15	35	120S	150E 4300731283	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 10-26D-12-15	35	120S	150E 4300731284	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 9-17-12-15	17	120S	150E 4300731287	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 1-17D-12-15	17	120S	150E 4300731288	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 7-17D-12-15	17	120S	150E 4300731289	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 7-1D-13-16 ULTRA DEEP	06	130S	170E 4300731293	14692 Federal	GW	P	PETERS POINT
PPU FED 1-18D-12-15	18	120S	150E 4300731294	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 7-18D-12-15	18	120S	150E 4300731295	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 5-17D-12-15	18	120S	150E 4300731296	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 10-17D-12-15	17	120S	150E 4300731307	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 8-17D-12-15	17	120S	150E 4300731308	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 12-17D-12-15	17	120S	150E 4300731309	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 13-17D-12-15	17	120S	150E 4300731310	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 14-17D-12-15	17	120S	150E 4300731311	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16-18D-12-15	17	120S	150E 4300731312	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 8-18D-12-15	18	120S	150E 4300731313	14794 Federal	GW	P	PRICKLY PEAR

PPU FED 3-18D-12-15	18	120S	150E 4300731314	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4-18-12-15	18	120S	150E 4300731315	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 5-18D-12-15	18	120S	150E 4300731316	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 6-18D-12-15	18	120S	150E 4300731317	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16-27-12-16	27	120S	160E 4300731318	2470 Federal	GW	P	PETERS POINT
PPU FED 10-27D-12-16	27	120S	160E 4300731319	2470 Federal	GW	P	PETERS POINT
PPU FED 2-34D-12-16	34	120S	160E 4300731320	2470 Federal	GW	P	PETERS POINT
PPU FED 16-17D-12-15	17	120S	150E 4300731321	14794 Federal	GW	P	PRICKLY PEAR
PPU ST 15-16D-12-15	16	120S	150E 4300731322	14794 State	GW	P	PRICKLY PEAR
PPU ST 16-16D-12-15	16	120S	150E 4300731323	14794 State	GW	P	PRICKLY PEAR
PPU ST 14-16D-12-15	16	120S	150E 4300731324	14794 State	GW	P	PRICKLY PEAR
PPU FED 2-7D-13-17 DEEP	06	130S	170E 4300731326	14692 Federal	GW	P	PETERS POINT
PPU FED 3-21D-12-15	21	120S	150E 4300731328	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4-21D-12-15	21	120S	150E 4300731329	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 2-35D-12-16	35	120S	160E 4300731345	2470 Federal	GW	P	PETERS POINT
PPU FED 7-35D-12-16	35	120S	160E 4300731346	2470 Federal	GW	P	PETERS POINT
PPU FED 4-35D-12-16	35	120S	160E 4300731347	2470 Federal	GW	P	PETERS POINT
PPU FED 7-36D-12-16	36	120S	160E 4300731348	2470 Federal	GW	P	PETERS POINT
PPU FED 11-36D-12-16	36	120S	160E 4300731349	2470 Federal	GW	P	PETERS POINT
PPU FED 15-25D-12-16	36	120S	160E 4300731351	2470 Federal	GW	P	PETERS POINT
PPU FED 13-25D-12-16	36	120S	160E 4300731352	2470 Federal	GW	P	PETERS POINT
PPU FED 4-36D-12-16	36	120S	160E 4300731353	2470 Federal	GW	P	PETERS POINT
PPU FED 13-15D-12-15	22	120S	150E 4300731358	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 14-15D-12-15	22	120S	150E 4300731359	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4-22D-12-15	22	120S	150E 4300731360	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 6-22D-12-15	22	120S	150E 4300731361	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 2-28D-12-15	28	120S	150E 4300731362	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16X-21D-12-15	28	120S	150E 4300731363	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 5A-27D-12-15	28	120S	150E 4300731364	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 1-35D-12-16	35	120S	160E 4300731365	2470 Federal	GW	P	PETERS POINT
PPU FED 1A-28D-12-15	28	120S	150E 4300731368	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 14A-18D-12-15	18	120S	150E 4300731393	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 10-18D-12-15	18		150E 4300731394	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 15A-18D-12-15	18	120S	150E 4300731395	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16A-18D-12-15	18	120S	150E 4300731396	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 12-22D-12-15	22	120S	150E 4300731398	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 11-22D-12-15	22	120S	150E 4300731399	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 14-22D-12-15	22	120S	150E 4300731400	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4A-27D-12-15	22	120S	150E 4300731401	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 13-26D-12-16	26	120S	160E 4300731403	2470 Federal	GW	P	PETERS POINT
PPU FED 15-26D-12-16	26	120S	160E 4300731404	2470 Federal	GW	P	PETERS POINT
PPU FED 3-35D-12-16	26	120S	160E 4300731405	2470 Federal	GW	P	PETERS POINT
PPU FED 10-26D-12-16	26	120S	160E 4300731406	2470 Federal	GW	P	PETERS POINT
PPU FED 11-26D-12-16	26	120S	160E 4300731407	2470 Federal	GW	P	PETERS POINT
PPU FED 12-26D-12-16	26	120S	160E 4300731408	2470 Federal	GW	P	PETERS POINT
PPU FED 11-27D-12-16	27	120S	160E 4300731409	2470 Federal	GW	P	PETERS POINT
PPU FED 15-27D-12-16	27	120S	160E 4300731410	2470 Federal	GW	P	PETERS POINT
PPU FED 9-27D-12-16	27	120S	160E 4300731411	2470 Federal	GW	P	PETERS POINT
	21	120S	150E 4300731411	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 11-21D-12-15	41	1203	13015 4300/31412	ITIJT Poucial	O W	1	INCIDITEAN

PPU FED 6-21D-12-15	21	120S	150E 4300731413	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 12-21D-12-15	21	120S	150E 4300731414	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 8-20D-12-15	20	120S	150E 4300731419	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 1A-20D-12-15	20	120S	150E 4300731420	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 2-20D-12-15	20	120S	150E 4300731421	14794 Federal	GW	P	PRICKLY PEAR
PPU ST 7A-16D-12-15	16	120S	150E 4300731422	14794 State	GW	P	PRICKLY PEAR
PPU ST 6-16D-12-15	16	120S	150E 4300731423	14794 State	GW	P	PRICKLY PEAR
PPU ST 10A-16D-12-15	16	120S	150E 4300731424	14794 State	GW	P	PRICKLY PEAR
PPU ST 3-16D-12-15	16	120S	150E 4300731425	14794 State	GW	P	PRICKLY PEAR
PPU FED 1-34D-12-16	34	120S	160E 4300731427	2470 Federal	GW	P	PETERS POINT
PPU FED 7-34D-12-16	34	120S	160E 4300731428	2470 Federal	GW	P	PETERS POINT
PPU FED 5-35D-12-16	34	120S	160E 4300731429	2470 Federal	GW	P	PETERS POINT
PPU FED 5-21D-12-15	21	120S	150E 4300731451	14794 Federal	GW	P	PRICKLY PEAR
PPU ST 8-16D-12-15	16	120S	150E 4300731455	14794 State	GW	P	PRICKLY PEAR
PPU ST 12-16D-12-15	16	120S	150E 4300731456	14794 State	GW	P	PRICKLY PEAR
PPU ST 12A-16D-12-15	16	120S	150E 4300731457	14794 State	GW	P	PRICKLY PEAR
PPU ST 15A-16D-12-15	16	120S	150E 4300731458	14794 State	GW	P	PRICKLY PEAR
PPU ST 10-16D-12-15	16	120S	150E 4300731459	14794 State	GW	P	PRICKLY PEAR
PPU ST 11A-16D-12-15	16	120S	150E 4300731460	14794 State	GW	P	PRICKLY PEAR
PPU ST 13A-16D-12-15	16	120S	150E 4300731461	14794 State	GW	P	PRICKLY PEAR
PPU FED 3-34D-12-16	34	120S	160E 4300731466	2470 Federal	GW	P	PETERS POINT
PPU FED 5-34D-12-16	34	120S	160E 4300731467	2470 Federal	GW	P	PETERS POINT
PPU FED 4-34D-12-16	34	120S	160E 4300731468	2470 Federal	GW	P	PETERS POINT
PPU FED 10-7D-12-15	07	120S	150E 4300731470	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 15-7D-12-15	07	120S	150E 4300731471	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 9-7D-12-15	07	120S	150E 4300731472	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16-7D-12-15	07	120S	150E 4300731473	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 10-35D-12-16	35	120S	160E 4300731474	2470 Federal	GW	P	PETERS POINT
PPU FED 9-35D-12-16	35	120S	160E 4300731476	2470 Federal	GW	P	PETERS POINT
PPU ST 6A-16D-12-15	16	120S	150E 4300731477	14794 State	GW	P	PRICKLY PEAR
PPU ST 4-16D-12-15	16	120S	150E 4300731478	14794 State	GW	P	PRICKLY PEAR
PPU ST 4A-16D-12-15	16	120S	150E 4300731479	14794 State	GW	P	PRICKLY PEAR
PPU ST 5A-16D-12-15	16	120S	150E 4300731480	14794 State	GW	P	PRICKLY PEAR
PPU ST 3A-16D-12-15	16	120S	150E 4300731481	14794 State	GW	P	PRICKLY PEAR
PPU ST 16A-16D-12-15	16	120S	150E 4300731484	14794 State	GW	P	PRICKLY PEAR
PPU ST 9A-16D-12-15	16	120S	150E 4300731485	14794 State	GW	P	PRICKLY PEAR
PPU ST 16B-16D-12-15	16	120S	150E 4300731514	14794 State	GW	P	PRICKLY PEAR
PPU ST 14B-16D-12-15	16	120S	150E 4300731515	14794 State	GW	P	PRICKLY PEAR
PPU ST 13B-16D-12-15	16	120S	150E 4300731516	14794 State	GW	P	PRICKLY PEAR
PETERS POINT U FED 9-26D-12-16	25	120S	160E 4300750021	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-25D-12-16	25	120S	160E 4300750022	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 10-31D-12-17	31	120S	170E 4300750023	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-31D-12-17	31	120S	170E 4300750024	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13A-31D-12-17	31	120S	170E 4300750025	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-31D-12-17	31	120S	170E 4300750026	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-31D-12-17	31	120S	170E 4300750027	2470 Federal	ĠW	P	PETERS POINT
PETERS POINT U FED 14A-31D-12-17	31	120S	170E 4300750028	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-25D-12-16	25	120S	160E 4300750029	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-6D-13-17	31	120S	170E 4300750033	2470 Federal	GW	P	PETERS POINT

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PETERS POINT U FED 10-25D-12-16	25	120S	160E 4300750035	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-36D-12-16	36	120S	160E 4300750037	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 15-36D-12-16	36	120S	160E 4300750038	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-1D-13-16	36	120S	160E 4300750039	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-1D-13-16	36	120S	160E 4300750040	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 9-22D-12-15	22	120S	150E 4300750041	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-22D-12-15	22	120S	150E 4300750042	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-22D-12-15	22	120S	150E 4300750043	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-27D-12-15	22	120S	150E 4300750044	14794 Federal	GW	P -	PRICKLY PEAR
PRICKLY PEAR U FED 16-15D-12-15	15	120S	150E 4300750045	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-15D-12-15	15	120S	150E 4300750046	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-15D-12-15	15	120S	150E 4300750047	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-15D-12-15	15	120S	150E 4300750048	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11A-15D-12-15	15	120S	150E 4300750049	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-21D-12-15	21	120S	150E 4300750050	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-21D-12-15	21	120S	150E 4300750051	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2A-21D-12-15	21	120S	150E 4300750052	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-22D-12-15	21	120S	150E 4300750053	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5A-22D-12-15	21	120S	150E 4300750054	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7A-21D-12-15	21	120S	150E 4300750056	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-21D-12-15	21	120S	150E 4300750057	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8A-21D-12-15	21	120S	150E 4300750058	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-8D-12-15	08	120S	150E 4300750059	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-8D-12-15	08	120S	150E 4300750060	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-17D-12-15	08	120S	150E 4300750061	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1A-17D-12-15	08	120S	150E 4300750062	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 3A-34D-12-16	27	120S	160E 4300750063	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 4A-34D-12-16	27	120S	160E 4300750064	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-27D-12-16	27	120S	160E 4300750065	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-27D-12-16	27	120S	160E 4300750066	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13A-27D-12-16	27	120S	160E 4300750067	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-27D-12-16	27	120S	160E 4300750068	18204 Federal	GW	P	
PETERS POINT U FED 14A-27D-12-16	27	120S	160E 4300750069	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 1-22D-12-15	22	120S	150E 4300750076	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-22D-12-15	22	120S	150E 4300750077	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-22D-12-15	22	120S	150E 4300750078	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-17D-12-15	17	120S	150E 4300750079	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3A-17D-12-15	17	120S	150E 4300750080	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-17D-12-15	17	120S	150E 4300750081	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-17D-12-15	17	120S	150E 4300750082	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5A-17D-12-15	17	120S	150E 4300750083	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR Ù FED 6-17D-12-15	17	120S	150E 4300750084	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6A-17D-12-15	17	120S	150E 4300750085	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7A-17D-12-15	17	120S	150E 4300750086	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12A-17D-12-15	17	120S	150E 4300750087	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-12D-12-14	12	120S	140E 4300750088	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-12D-12-14	12	120S	140E 4300750089	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-12D-12-14	12	120S	140E 4300750090	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-12D-12-14	12	120S	140E 4300750091	14794 Federal	GW	P	PRICKLY PEAR

	PRICKLY PEAR U FED 3-20D-12-15	20	120S	150E 4300750098	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR U FED 3A-20D-12-15	20	120S	150E 4300750099	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR U FED 4-20D-12-15	20	120S	150E 4300750100	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR U FED 4A-20D-12-15	20	120S	150E 4300750101	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR U FED 5-20D-12-15	20	120S	150E 4300750102	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR U FED 6-20D-12-15	20	120S	150E 4300750104	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR U FED 6A-20D-12-15	20	120S	150E 4300750105	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR U FED 11A-20D-12-15	20	120S	150E 4300750106	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR U FED 12A-20D-12-15	20	120S	150E 4300750107	14794 Federal	GW	P	PRICKLY PEAR
	PETERS POINT U FED 5-31D-12-17	36	120S	160E 4300750109	2470 Federal	GW	P	PETERS POINT
	PETERS POINT U FED 6-31D-12-17	36	120S	160E 4300750116	2470 Federal	GW	P	PETERS POINT
	PETERS POINT U FED 9X-36D-12-16	36	120S	160E 4300750117	2470 Federal	GW	P	PETERS POINT
	PETERS POINT U FED 1-36D-12-16	36	120S	160E 4300750118	2470 Federal	GW	P	PETERS POINT
	PETERS POINT U FED 10-6D-13-17	06	130S	170E 4300750119	2470 Federal	GW	P	PETERS POINT
	PETERS POINT U FED 15-31D-12-17	06	130S	170E 4300750123	2470 Federal	GW	P	PETERS POINT
	PRICKLY PEAR UF 7A-18D-12-15	17	120S	150E 4300750136	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 8A-18D-12-15	17	120S	150E 4300750137	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 9A-18D-12-15	17	120S	150E 4300750138	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 12-20D-12-15	20	120S	150E 4300750139	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 16A-8D-12-15	08	120S	150E 4300750140	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 15A-8D-12-15	08	120S	150E 4300750141	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 13A-9D-12-15	08	120S	150E 4300750142	14794 Federal	GW	P	PRICKLY PEAR
•	PRICKLY PEAR UF 13-9D-12-15	08	120S	150E 4300750143	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 12-9D-12-15	08	120S	150E 4300750144	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 10-8D-12-15	08	120S	150E 4300750145	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 9-8D-12-15	08	120S	150E 4300750146	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 2A-17D-12-15	08	120S	150E 4300750147	14794 Federal	GW	P	PRICKLY PEAR
	PETERS POINT UF 12-5D-13-17	06	130S	170E 4300750151	2470 Federal	GW	P	PETERS POINT
	PETERS POINT UF 13-5D-13-17	06	130S	170E 4300750152	2470 Federal	GW	P	PETERS POINT
	PETERS POINT UF 13-30D-12-17	30	120S	170E 4300750153	18347 Federal	GW	P	PETERS POINT
	PETERS POINT UF 14-30D-12-17	30	120S	170E 4300750154	18350 Federal	GW	P	PETERS POINT
	PETERS POINT UF 12-30D-12-17	30	120S	170E 4300750155	18346 Federal	GW	P	PETERS POINT
	PETERS POINT UF 11-30D-12-17	30	120S	170E 4300750156	18348 Federal	GW	P	PETERS POINT
	PETERS POINT UF 3-31D-12-17	30	120S	170E 4300750157	2470 Federal	GW	P	PETERS POINT
	PETERS POINT UF 2-31D-12-17	30	120S	170E 4300750158	18349 Federal	GW	P	PETERS POINT
	PETERS POINT UF 16-25D-12-16	30	120S	170E 4300750159	2470 Federal	GW	P	PETERS POINT
	PETERS POINT UF 9-25D-12-16	30	120S	170E 4300750160	2470 Federal	GW	P	PETERS POINT
	PRICKLY PEAR UF 1A-22D-12-15	22	120S	150E 4300750171	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 6A-22D-12-15	22	120S	150E 4300750173	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 7A-22D-12-15	22	120S	150E 4300750174	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 8A-22D-12-15	22	120S	150E 4300750175	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 14B-15D-12-15	22	120S	150E 4300750176	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 9-9D-12-15	09	120S	150E 4300750195	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 16-9D-12-15	09	120S	150E 4300750202	14794 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 8-14D-12-15	14	120S	150E 4300750216	18289 Federal	GW	P	PRICKLY PEAR
	PRICKLY PEAR UF 15-14D-12-15	14	120S	150E 4300750221	18290 Federal	GW	P	PRICKLY PEAR
	PETERS POINT UF 7X-36D-12-16	36	120S	160E 4300750231	2470 Federal	GW	P	PETERS POINT
	PETERS POINT UF 8-36D-12-16	36	120S	160E 4300750232	2470 Federal	GW	P	PETERS POINT
	PETERS POINT ST 6-2D-13-16	02	130S	160E 4300731017	14472 State	D	PA	

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PTS 33-36 STATE	36	110S	140E 4301330486	6190 State	GW	PA	ARGYLE
PRICKLY PEAR U FED 10-4	10	120S	140E 4300730823	14462 Federal	GW	S	
PRICKLY PEAR U FASSELIN 5-19-12-15	19	120S	150E 4300730860	14853 Fee	GW	S	
PRICKLY PEAR U ST 5-16	16	120S	150E 4300730943	14794 State	GW	S	PRICKLY PEAR
PRICKLY PEAR U FED 7-33D-12-15	33	120S	150E 4300730985	14771 Federal	GW	S	
PETERS POINT ST 8-2D-13-16	02	130S	160E 4300731016	14471 State	GW	S	
PPU FED 4-35D-12-15	35	120S	150E 4300731285	16223 Federal	GW	S	PRICKLY PEAR
PPU FED 5-36D-12-16	36	120S	160E 4300731350	2470 Federal	GW	S	PETERS POINT
PRICKLY PEAR U FED 5A-20D-12-15	20	120S	150E 4300750103	14794 Federal	GW	S	PRICKLY PEAR
PRICKLY PEAR U FED 13A-17D-12-15	20	120S	150E 4300750108	14794 Federal	GW	S	PRICKLY PEAR
PRICKLY PEAR UF 2A-22D-12-15	22	120S	150E 4300750172	14794 Federal	GW	S	PRICKLY PEAR